

OCCUPATIONAL SPECIALTIES

CONTENTS

	<i>Page</i>
1. Occupational Specialties Titles and Abbreviations	4-32
2. Occupational Specialties Index	4-39
3. Occupational Specialties Definitions	4-43

	Titles and Abbreviations Page Numbers	Definition Page Number
SPECIAL GROUPS		
ACCOUNTING AND BUDGET SPECIALTIES	4-32	443
ADMINISTRATIVE/MANAGEMENT/PERSONNEL SPECIALTIES	4-32	4-44
APPLIED TECHNOLOGY SPECIALTIES	4-32	444
AUTOMATIC DATA PROCESSING SPECIALTIES	4-33	4-49
BIOLOGICAL SCIENCE SPECIALTIES	4-33	4-50
BUSINESS AND INDUSTRY SPECIALTIES	4-33	4-52
CAPABILITY SPECIALTIES	4-33	4-52
COLLECTION SPECIALTIES	4-34	4-55
COUNTERINTELLIGENCE SPECIALTIES	4-34	4-55
EDUCATION SPECIALTIES	4-34	4-56
ENGINEERING SPECIALTIES	4-34	4-57
ENVIRONMENT/GEOGRAPHY SPECIALTIES	4-34	4-60
IMAGERY/PHOTOGRAPHIC INTERPRETATION SPECIALTIES	4-34	4-61
INFORMATION AND ARTS SPECIALTIES	4-35	4-62
LIBRARIANSHIP	4-35	4-63
WAGEMENT SPECIALTIES	4-35	4-63
MATHEMATICS SPECIALTIES	4-35	4-65
OTHER INTELLIGENCE RELATED SPECIALTIES	4-35	4-65
PHOTOGRAPHIC SERVICES SPECIALTIES	4-36	4-69
PHYSICAL SCIENCE SPECIALTIES	4-36	4-69
RESOURCES SPECIALTIES	4-36	4-72
SECURITY/(COUNTERMEASURES) SPECIALTIES	4-37	4-73
SOCIAL SCIENCE SPECIALTIES	4-37	4-75
SUPPLY SPECIALTIES	4-37	4-75
TARGETING SPECIALTIES	4-37	4-75
TRANSPORTATION/LOGISTICS SPECIALTIES	4-37	4-76
TRANSPORTATION SPECIALTIES	4-38	4-78

OCCUPATIONAL SPECIALTIES**SPECIALTIES****ACCOUNTING AND BUDGET SPECIALTIES**

Accounting/Auditing
Accounting Technician
Accounts Maintenance
Budget Administration
Cash Processing CASH
Financial Management/Comptroller
Program and Accounting
Voucher Examining

ADMINISTRATIVE/MANAGEMENT PERSONNEL SPECIALTIES

Office Services Administration/Management
Personnel Management/Administration
Planning/Program Management/Analysis
Project Assignment Analysis

APPLIED TECHNOLOGY SPECIALTIES

Acoustical Intelligence
Aerodynamic Systems-Aircraft
Aerodynamic Systems-Missiles
Beam Weapon Technology (other than Laser)
Chemical, Biological, and Radiological Operations
Chemical, Biological, and Radiological Technology
Communications Intelligence
Communications Specialist
Electromagnetic Systems
Electronic Intelligence
Electronic Warfare
Electro-Optics Intelligence
Energy Conversion
Food Technology
Ground Weapons Systems Analysis
Guidance-Fire Control
Lasers
Manufacturing Technologies
Measurement and Signature Intelligence
Military Weapons Systems Analysis
Missile Systems Analysis (Engineering)
Missile Systems Analysis (General)
Munition Technology
Naval Weapon Systems Analysis
Nuclear Weapons Energy
Propulsion
Radar Intelligence
Sensors
Signals Intelligence
Space Systems Analysis (Engineering)
Space Systems Analysis (General)
Telemetry
Test and Evaluation Techniques/Equipment/Facilities
Threat Analysis/Assessment
Trends and Forecasts
Unconventional Warfare

ABBREVIATIONS

ACCTNG/AUDNG
ACCTNG TECH
ACCT MAINT
BUDG ADM
PROCSNG
FINCL MGMT/COMPT
PROG & ACCTNG
VOUCHER EXAMNG

OFC SVC ADM/MGMT
PERS MGMT/ADM
PLNG/PROG MGMT/ANAL
PAF ANAL

ACOUSTINT
AERO SYS-AIR
AERO SYS-MISSILE
BEAM WPN
CBR OPNS
CBR TECHN
COMINT
COMM SPEC
ELECTROMAG SYS
ELINT
ELECTRON WAR
ELECT-OPT INTEL
ENRGY CONV
FOOD TECHN
GRND WPN SYS
GUIDNC
LASERS
MFG TECHN
MASINT
MIL WPN SYS
MISSILE SYS-ENGR
MISSILE SYS-GEN
MUNITN TECHN
NAV WPN SYS
NUCLR WPN/ENRGY
PROPULSN
RADINT
SENSOR
SIGINT
SPACE SYS-ENGR
SPACE SYS-GEN
TELEMETRY
T&E TECH/EQUIP/FAC
THREAT ANAL
TREND FRCST
UNCONVTL WAR

AUTOMATIC DATA PROCESSING SPECIALTIES

Computer Production Control
 Computer Programming
 Computer Retrieval
 Computer System Administration
 Computer Systems Analysis
 Computer Systems Security
 Data Base Management
 Data Code and Element Analysis
 Document Analysis
 IDHS Plans and Development IDHS PLAN/DEVLP
 Information Sciences
 Management Information Systems
 MIS Plans and Development

COMPTR PRODN CONT
 COMPTR PROGMNG
 COMPTR RETRVL
 COMPTR SYS ADM
 COMPTR SYS ANAL
 COMPTR SYS SECUR
 DATA BASE MGMT
 DATA CODE & ELMNT
 DOCMNT ANAL

INFO SCI
 MGMT INFO SYS
 MIS PLAN/DEVLP

BIOLOGICAL SCIENCE SPECIALTIES

Administration, Biological Sciences/Scientific and Technical
 Agriculture/Agronomy
 Biology/Biophysics
 Cybernetics
 Laboratory Technician
 Medical Science
 Microbiology/Bacteriology/Epidemiology
 Parasitology
 Pharmacology
 Physiology
 Radiology
 Toxicology
 zoology

ADM BIO SCI/S&T
 AGRICULTR/AGRONMY
 BIOLGY/BIOPHS
 CYBERNTCS
 LAB TECH
 MEDICAL SCI
 MICRO/BACT/EPID
 PARASTLGY
 PHARMCLGY
 PHYSIOLOGY
 RADIOLOGY
 TOXICOLOGY
 ZOOLGY

BUSINESS AND INDUSTRY SPECIALTIES

Attorney/Law
 Business/Commerce/Industrial Administration/Operations
 Printing Management
 Production Control
 Public Relations
 Reproduction Operations

LAW
 BUS/ADM
 PRNTG MGMT
 PRODN CONT
 PUBLIC REL
 REPRODCTN OPNS

CAPABILITY SPECIALTIES

Biographies
 Camouflage/Concealment & Deception
 Doctrine, Tactics and Training (Air Force)
 Doctrine, Tactics and Training (General)
 Doctrine, Tactics and Training (Ground Forces)
 Doctrine, Tactics and Training (Intelligence)
 Doctrine, Tactics and Training (Missiles)
 Doctrine, Tactics and Training (Naval Forces)
 Military Manpower
 Military Organizations
 Military/Political Security Posture/Policy/Sociological
 Order of Battle (Air)
 Order of Battle (Electronic)
 Order of Battle (General)
 Order of Battle (Ground)
 Order of Battle (Intelligence)
 Order of Battle (Missile-Space)
 Order of Battle (Naval)
 Space Systems-Tactical Exploitation of National Capabilities
 Technology Transfer

BIOGRPHIC
 CC&D
 TACTICS-AIR
 TACTICS-GEN
 TACTICS-GRND
 TACTICS-INTEL
 TACTICS-MISSLE
 TACTICS-NAV
 MIL MINPWR
 MIL ORGNZN
 MIL/POL/SEC/SOC
 OB-AIR
 OB-ELCTRON
 OB-GEN
 OB-GRND
 OB-INTEL
 OB-MISSLE
 OB-NAV
 SPACE SYS-TENCAP
 TECHNL TRANSFER

COLLECTION SPECIALTIES

Collection Analysis
Collection Operations-Human Resources
Collection Operations-Technical Resources
Collection Requirements
Multi-Discipline Collection MD

COLL ANAL
COLL HUM
COLL TECHN
COLL REQ
COLL

COUNTERINTELLIGENCE SPECIALTIES

Defensive Counterespionage Investigator
Interrogation
Investigator
Multi-Discipline Threat-Counterintelligence
Offensive Counterintelligence Case Officer
Polygraph Examiner
Technical Surveillance Countermeasures

CI-DCE
INTEROG
INVESTGR
MD THREAT-CI
CI-OFCC
POLY EXAM
TSCM

EDUCATION SPECIALTIES

Education and Training
Instructor

EDUC & TRNG
INSTRCT

ENGINEERING SPECIALTIES

Administration, Engineering
Architecture
Architecture, Naval
Construction/Maintenance
Engineering, Aerospace (Aeronautical and Astronautical)
Engineering, Agricultural
Engineering, Ceramic
Engineering, Chemical
Engineering, Civil/Structural
Engineering, Construction
Engineering, Drafting
Engineering, Electrical
Engineering, Electronic
Engineering, General
Engineering, Industrial
Engineering, Marine
Engineering, Materials
Engineering, Mechanical
Engineering, Mining
Engineering, Nuclear
Engineering, Petroleum/Natural Gas
Engineering, Safety
Engineering, Sanitary
Engineering, Technician
Engineering, Vulnerability
Electronic Technician
Surveying Technician

ADM ENGR
ARCHTCT
ARCHTCT NAV
CONST/MAINTNCE
ENGR AEROSP
ENGR AGRI
ENGR CERAM
ENGR CHEM
ENGR CIV/STRUCT.
ENGR CONSTR
ENGR DRFT
ENGR ELCTRL
ENGR ELCTRON
ENGR GEN
ENGR IND
ENGR MARN
ENGR MTRL
ENGR MECH
ENGR MIN
ENGR NUCLR
ENGR PETRL/NAT GAS
ENGR SAFETY
ENGR SANIT
ENGR TECH
ENGR VULNR
ELCTRON TECH
SRVYNG TECH

ENVIRONMENT/GEOGRAPHY SPECIALTIES

Evasion and Escape
Geography/Environment (Basic Industries)
Geography/Environment (Coasts and Landing Beaches)
Geography/Environment (Cultural)
Geography/Environment (General)
Geography/Environment (Military/Medical)

Geography/Environment (Physical)

E&E
GEOGY/ENVIRMT-IND
GEOGY/ENVIRMT-COAST
GEOGY/ENVIRMT-CULT
GEOGY/ENVIRMT-GEN
GEOGY/ENVIRMT—
MIL/MEDCL
GEOGY/ENVIRMT-PHYS

IMAGERY/PHOTOGRAPHIC INTERPRETATION SPECIALTIES

<i>Imagery Intelligence</i>	<i>IMINT</i>
<i>Imagery-Interpretation/Analysis (Aerial Survey)</i>	<i>HA-AIR SRVY</i>
<i>Imagery-Interpretation/Analysis (Air Force)</i>	<i>IIA-AIR</i>
<i>Imagery-Interpretation/Analysis (CBR Warfare)</i>	<i>IIA-CBR</i>
<i>Imagery-Interpretation/Analysis (Digital)</i>	<i>HA-DIGITAL</i>
<i>Imagery-Interpretation/Analysis (Electronics)</i>	<i>IIA-ELCTRON</i>
<i>Imagery-Interpretation/Analysis (General)</i>	<i>IIA-GEN</i>
<i>Imagery-Interpretation/Analysis (Ground Forces)</i>	<i>IIA-GRND</i>
<i>Imagery-Interpretation/Analysis (Guided Missiles)</i>	<i>IIA-MISSLE</i>
<i>Imagery-Interpretation Analysis (Immediate Mission Reporting and Indexing)</i>	<i>IIA-MSN RPTG</i>
<i>Imagery-Interpretation/Analysis (Industry)</i>	<i>IIA-IND</i>
<i>Imagery-Interpretation/Analysis (Instructor)</i>	<i>IIA-INSTRCT</i>
<i>Imagery-Interpretation/Analysis (Keys)</i>	<i>HA-KEY</i>
<i>Imagery-Interpretation/Analysis (Logistics)</i>	<i>HA-LOG</i>
<i>Imagery Interpretation/Analysis (Mensuration)</i>	<i>IIA-MENSRN</i>
<i>Imagery-Interpretation/Analysis (Naval Forces)</i>	<i>IIA-NAV</i>
<i>ImageW-Interpretation/Analysis (Nuclear Energy)</i>	<i>IIA-NUCLR</i>
<i>Imagery-Interpretation/Analysis (Radar)</i>	<i>HA-RADAR</i>
<i>Imagery-Interpretation/Analysis (Research and Development)</i>	<i>IIA-R&D</i>
<i>Imagery-Interpretation/Analysis (Transportation)</i>	<i>IIA-TRANSP</i>
<i>Intelligence Aid/Clerk (Imagery-Interpretation)</i>	<i>INTEL AID/CLK (II)</i>

INFORMATION AND ARTS SPECIALTIES

<i>Drafting</i>	<i>DRFTNG</i>
<i>Editorial Assistant</i>	<i>EDITL ASST</i>
<i>Exhibits</i>	<i>EXHBT</i>
<i>Illustration</i>	<i>ILLUSTRN</i>
<i>Negative Engraver/Scriber</i>	<i>NEG ENGRAVER/SCRIBER</i>
<i>Visual Information</i>	<i>VIS INFo</i>
<i>Writing and Editing</i>	<i>WRIT & EDIT</i>

LIBRARIANSHIP

<i>Archivist</i>	<i>ARCHVST</i>
<i>Document Research</i>	<i>DOCMNT RESRCH</i>
<i>Librarian</i>	<i>LIBRN</i>
<i>Library Assistant</i>	<i>LIB ASST</i>

MANAGEMENT SPECIALTIES

<i>Budget Analysis</i>	<i>BUDG ANAL</i>
<i>Intelligence Management (Automatic Data Processing Interface)</i>	<i>INTEL MGMT-ADPI</i>
<i>Intelligence Management (Collection Requirements)</i>	<i>INTEL MGMT-COLL REQ</i>
<i>Intelligence Management (Consumer Requirements)</i>	<i>INTEL MGMT-CONS REQ</i>
<i>Intelligence Management (Coordination and Integration)</i>	<i>INTEL MGMT-COORDNTN</i>
<i>Intelligence Management (Dissemination)</i>	<i>INTEL MGMT-DISSEM</i>
<i>Intelligence Management (Exploitation of Reconnaissance Products)</i>	<i>INTEL MGMT-EXPLOIT</i>
<i>Intelligence Management (Plans, programs, Resources)</i>	<i>INTEL MGMT-PLNG</i>
<i>Intelligence Management (Production Control)</i>	<i>INTEL MGMT-PRODN CONT</i>
<i>Intelligence Management (Release and Disclosure)</i>	<i>INTEL MGMT-RELSE</i>
<i>Intelligence Management (Research, Development, Test and E-valuation)</i>	<i>INTEL MGMT-RDT&E</i>

MATHEMATICS SPECIALTIES

<i>Cryptography</i>	<i>CRYPTOGY</i>
<i>Mathematics</i>	<i>MATHCS</i>
<i>Mathematics/Statistics</i>	<i>MATH/STAT</i>
<i>Mathematics Technician</i>	<i>MATHCS TECH</i>
<i>Operations Research</i>	<i>OPNS RESRCH</i>

OTHER INTELLIGENCE RELATED SPECIALTIES

Briefing
Command, Control and Communications
Congressional Affairs
Counternarcotics Analysis
Dissemination of Intelligence Information/Reports
Foreign Intelligence Officer Operations
Foreign Material Exploitation
Indications and Warning Intelligence
Inspector General
Intelligence Aid/Technician
Intelligence Operations
Liaison
Military Material Identification Analysis
Psychological Operations/Warfare
Sonar
Submarine/Anti-Submarine Warfare
Technical Information Specialist
Terrorist Activities
Translation
Wargaming
Weapon Systems Acquisition

PHOTOGRAPHIC SERVICES SPECIALTIES

Film/Photographic Files
Photographic Technology
Photography, General

PHYSICAL SCIENCE SPECIALTIES

Administration, Physical Science/Scientific and Technical
Astronomy/Space Science
Ballistics
Cartography
Cartographic Technician
Chemistry/Biochemistry
Geodesy
Geodetic Technician
Geology
Geophysics/Seismology
Hydrology/Hydrography
Metallurgy
Meteorological Technician
Meteorology and Climatology
Oceanography
Photogrammetry
Physical Science Technician
Physics, Atmospheric
Physics, Atomic and Nuclear
Physics, Cryogenics
Physics, Electricity and Magnetism
Physics, Electronics
Physics, General
Physics, Mechanical
Physics, Molecular
Physics, Optical
Physics, Plasma
Physics, Solid State
Physics, Sound
Physics, Theoretical
Physics, Thermodynamics

BRIEF
CC&C
CONGRESS
NARCOTICS
INTEL DISSEM
FIO OPNS
FME
I&W
I G
INTEL AID/TECH
INTEL OPNS
LIAISON
MIL/MTRL IDENT ANAL
PSY OPNS/WAR
SONAR
SUB SW
TECHNL INFO SPEC
TERRORISM
TRANSLATN
WARGAMING
WPN SYS ACQ

FILM/PHOTO
PHOTO TECHN
PHOTO GEN

ADM PHYS SCI/S&T
ASTRONOMY/SPACE SCI
BALLISTICS
CARTOGRAPHY
CARTOGR TECH
CHEMISTRY/BIOCHEMISTRY
GEODSY
GEODTC TECH
GEOLGY
GEOPHYSCS/SEISMLGY
HYDROLGY/HYDROGY
METALLGY
METEORLGL TECH
WEATHER INTEL
OCEANOLOGY
PHOTOGRMTRY
PHYS SCI TECH
PHYSCS ATMOSPHERC
PHYSCS NUCLR
PHYSCS CRYO
PHYSCS ELECTRCY MAG
PHYSCS ELECTRON
PHYSCS GEN
PHYSCS MECH
PHYSCS MOLEC
PHYSCS OPT
PHYSCS PLASM
PHYSCS SOL ST
PHYSICS SOUND
PHYSCS THEOR
PHYSCS THERMO

RESOURCES SPECIALTIES

Energy Intelligence
Government Control and Civil Defense
Industrial Production/Economics
Military Economics
Military Production
Materiel Production (Aerospace)
Materiel Production (Electric Power)
Materiel Production (Electronics)
Materiel Production (General)
Materiel Production (Ground Forces)
Materiel Production (Missiles)
Materiel Production (Petroleum)
Materiel Production (Shipbuilding and Repairs)
Research and Development Analysis
Resources Intelligence
Telecommunications

SECURITY/(COUNTERMEASURES) SPECIALTIES

Communications Security
Computer Systems Security (see page 4-49 for definition)
Electronic Security
Foreign Disclosure Security
Industrial Security
Information Security
Operations Security
Personnel Security
Physical Security
Release/Disclosure/Freedom of Information
Security Specialist
Technical Specialist
Technology Security

SOCIAL SCIENCE SPECIALTIES

Cost Analysis
Demography
Economics
History
International Cooperation
Psychology

SUPPLY SPECIALTIES

Purchasing/Procurement
Supply Specialist, General

TARGETING SPECIALTIES

Damage Assessment
Physical Vulnerability Analysis
Target Data Base Maintenance
Target Development
Target Materials
Target Publications
Weaponneering

ENRGY INTEL
GOVT CONT & CIV DEF
IND PRODN/ECONMCS
MIL ECONMCS
MIL PRODN
MTRL PRODN-AERO
MTRL PRODN-EL PWR
MTRL PRODN-ELCTRON
MTRL PRODN-GEN
MTRL PRODN-GRND
MTRL PRODN-MISSLE
MTRL PRODN-POL
MTRL PRODN-SHIP
R&D ANAL
RESOURCE
TELECOM

COMSEC
COMPTR SYS SECUR
ELSEC
FOR DIS SECURITY
IND SECURITY
INFO SECURITY
OPSEC
PER SECURITY
PHYS SECURITY
R E L S E / F O I A
SECURITY SPEC
TECHNL SPEC
TECH SECURITY

COST ANAL
DEMOGRPHY
ECONMCS
HISTORY
INTNATL COOP
PSYCHGY

PURCHG/PROCURMT
SUPP SPEC GEN

DAMGE ASMT
PHYS VULNR ANAL
TARG DATA BASE MAINT
TARG DEVL P
TARG MTRLS
TARG PUBL
WEAPONNEERING

TRANSPORTATION/LOGISTICS SPECIALTIES

Air Mobility Equipment
Merchant Marine Intelligence
Logistics (Air)
Logistics (General)
Logistics (Ground)
Logistics (Missile)
Logistics (Naval)
Logistics (Space)
Packaging and Containerization
Transportation Analysis
Transportation (Civil Air)
Transportation (General)
Transportation (Highways)
Transportation (Inland Waterways)
Transportation (Maritime)
Transportation (Ports)
Transportation (Railways)
Transportation Systems

TRANSPORTATION SPECIALTIES

Traffic Management

AIR MOBIL EQUIP
MERCHANT MARINE
LOG-AIR
LOG-GEN
LOG-GRND
LOG-MISSLE
LOGNAV
LOG-SPACE
PACK & CONTNRZN
TRANSP-ANAL
TRANSP-AIR
TRANSP-GEN
TRANSP-HWY
TRANSP-WATER
TRANSP-MARITIME
TRANSP-PORT
TRANSP-RAIL
TRANSP-SYS

TRAF MGMT

OCCUPATIONAL SPECIALTIES INDEX

<i>Abbreviations</i>	<i>Definition Page</i>	<i>Abbreviations</i>	<i>Definition Page</i>
ACCTMAINT	4-43	CONST/MAINTNCE	4-57
ACCTNG/AUDNG	4-43	COST ANAL	4-74
ACCTI	443	CRYPTOGY	4-65
ACOU	444	CYBERNTCS	4-51
ADM BIO SCI/S&T	4-50	DAMGE ASMT	4-75
ADMENGR	4-57	DATA BASE MGMT	4-49
ADM PHYS SCI/S&T	4-69	DATA CODE & ELMNT ANAL	4-50
AERO SYS-AIR	4-44	DEMOGRPHY	4-74
AERO SYS-MISSLE	4-44	DOCMNT ANAL	4-50
AGRICULTR/AGRONMY	4-51	DOCMNT RESRCH	4-63
AIR MOBIL EQUIP	4-76	DRFTNG	4-62
ARCHTCT	4-57	E&E	4-60
ARCHTCT NAV	4-57	ECONMCS	4-75
ARCHVST	4-63	EDITL ASST	4-62
ASTRONMY/SPACE SCI	4-69	EDUC & TRNG	4-56
AUTO SECURITY	4-73	ELECTROMAG SYS	4-45
BALLISTCS	4-69	ELCTRON TECH	4-59
BEAM WPN	4-45	ELCTRON WAR	4-45
BIOCHEMSTRY-see		ELECT-OPT INTEL	4-46
CHEMSTRY/BIOCHEMSTRY		ELINT	4-45
BIOGRPHC	4-52	ELSEC	4-73
BIOLGY/BIOPHYS	4-51	ENGR AEROSP	4-57
BRIEF	4-65	ENGR AGRI	4-57
BUDG ADM	4-43	ENGR CERAM	4-57
BUDG ANAL	4-63	ENGR CHEM	4-57
BUS ADM	4-52	ENGR CIV/STRUCT	4-58
CARTOGR TECH	4-69	ENGR CONSTR	4-58
CARTOGRY	4-69	ENGR DRFT	4-58
CASH PROCSNG	4-43	ENGR ELCTRL	4-58
CBR OPNS	4-45	ENGR ELCTRON	4-58
CBR TECHN	4-45	ENGR GEN	4-58
CC&C	4-66	ENGR IND	4-58
CC&C—STRAT	4-66	ENGR MARN	4-58
CC&C—TAC	4-66	ENGR MECH	4-59
CC&D	4-53	ENGR MIN	4-59
CHEMSTRY/BIOCHEMSTRY	4-69	ENGR MTRL	4-58
CI—DCE	4-55	ENGR NUCLR	4-59
CI—OFCO	4-56	ENGR PETRL/NAT GAS	4-59
COLL ANAL	4-55	ENGR SAFETY	4-59
COLL HUM	4-55	ENGR SANIT	4-59
COLL REQ	4-55	ENGR TECH	4-59
COLL TECHN	4-55	ENGR VULNR	4-59
COMINT	4-45	ENRGY CONV	4-46
COMM SPEC	4-45	ENRGY INTEL	4-71
COMPTR PRODN CONT	4-49	EXHBT	4-62
COMPTR PROGMNG	4-49	FILM/PHOTO	4-68
COMPTR RETRVL	4-49	FINCL MGMT/COMPT	4-43
COMPTR SYS ADM	4-49	FIO OPNS	4-66
COMPTR SYS ANAL	4-49	FME	4-66
COMPTR SYS SECUR	4-49	FOOD TECHN	4-46
COMSEC	4-73	FOR DIS SECURITY	4-73
CONGRESS	4-66		

Occupational Specialties Index-Continued

<i>Abbreviations</i>	<i>Definition Page</i>	<i>Abbreviations</i>	<i>Definition Page</i>
GEODSY	4-69	INTEL MGMT-PLNG	4-64
GEODTC TECH	4-69	INTEL MGMT-PRODN CONT	4-64
GEOGY/ENVIRMT-COAST	4-60	INTEL MGMT-RDT&E	4-65
GEOGY/ENVIRMT-CULT	4-60	INTEL MGMT-RELSE	4-65
GEOGY/ENVIRMT-GEN	4-60	INTEL OPNS	4-67
GEOGY/ENVIRMT-IND	4-60	INTEROG	4-56
GEOGY/ENVIRMT-MIL/MEDCL	4-60	INTNATL COOP	4-75
GEOGY/ENVIRMT-PHYS	4-60	INVESTGR	4-56
GEOLOGY	4-69		
GEOPHYSICS/SEISMLGY	4-70	LAB TECH	4-51
GOVT CONT & CIV DEF	4-71	LASERS	4-46
GRND WPN SYS	4-46	LAW	4-52
GUIDNC	4-46	LIAISON	4-67
		LIB ASST	4-63
HISTORY	4-75	LIBRN	4-63
HYDROLOGY/HYDROGY	4-70	LOG-AIR	4-76
		LOG-GEN	4-76
I G	4-67	LOG-GRND	4-77
I&W	4-67	LOG-MISSILE	4-77
IDHS PLAN/DEVL	4-50	LOG-NAV	4-77
IIA-AIR	4-61	LOG-SPACE	4-77
HA-AIR SRVY	4-61		
IIA-CBR	4-61	MASINT	4-46
IIA-DIGITAL	4-61	MATHCS	4-65
IIA-ELCTRO	4-61	MATHCS TECH	4-65
IIA-GEN	4-61	MATH/STAT	4-65
IIA-GRND	4-61	MD COLL	4-55
IIA-IND	4-61	MD THREAT-CI	4-56
IIA-INSTRCT	4-61	MEDICAL SCI	4-51
IIA-KEY	4-61	MERCHANT MARINE	4-76
IIA-LOG	4-61	METALLGY	4-70
IIA-MENSRN	4-62	METEORLGL TECH	4-70
IIA-MISSILE	4-61	MFG TECHN	4-46
IIA-MSN RPTG	4-61	MGMT INFO SYS	4-50
IIA-N	4-62	MICRO/BACT/EPID	4-51
IIA-NUCLR	4-62	MIL ECONMCS	4-72
IIA-R&	4-62	MIL MNPWR	4-53
HA-RADAR	4-62	MIL ORGNZN	4-54
IIA-TRANSP	4-62	MIL PRODN	4-72
ILLUSTRN	4-62	MIL WPN SYS	4-47
IMINT	4-61	MIL/MTRL IDENT ANAL	4-67
IND PRODN/ECONMCS	4-71	MIL/POL/SEC/SOC	4-54
IND SECURITY	4-73	MIS PLAN/DEVLP	4-50
INFO SCI	4-50	MISSILE SYS-ENGR	4-47
INFO SECURITY	4-74	MISSILE SYS-GEN	4-47
INSTRCT	4-56	MTRL PRODN-AERO	4-72
INTEL AID/CLR (II)	4-62	MTRLPRODN-ELPWR	4-72
INTEL AID TECH	4-67	MTRL PRODN-ELCTRON	4-72
INTEL DISSEM	4-66	MTRL PRODN-GEN	4-72
INTEL MGMT-ADPI	4-63	MTRL PRODN-GRND	4-72
INTEL MGMT-COLL REQ	4-64	MTRL PRODN-MISSILE	4-72
INTEL MGMT-CONS REQ	4-64	MTRL PRODN-POL	4-72
INTEL MGMT-COORDNTN	4-64	MTRL PRODN-SHIP	4-72
INTEL MGMT-DISSEM	4-64	MUNITN TECHN	4-47
INTEL MGMT-EXPLOIT	4-64		

Occupational Specialties Index-Continued

<i>Abbreviations</i>	<i>Definition Page</i>	<i>Abbreviations</i>	<i>Definition Page</i>
NARCOTICS	4-66	R&D ANAL	4-73
NAVWPNSYS	4-47	RADINT	447
NEG ENGRAVER/SCRIBER	4-62	RADIOLOGY	4-51
NucLRwPN/ENRGY	4-47	RELSE/FOIA	4-74
OB-AIR	4-54	REPRODCTN OPNS	4-52
OB-ELCTRON	4-54	RESOURCE	4-73
OB-GEN	4-54	SENSOR	447
OB-GRND	4-54	SIGINT	4-48
OB-INTEL	4-54	SONAR	4-67
OB-MISSILE	4-54	SPACE SCI—see ASTRONOMY/ SPACE SCI	
OB-NAV	4-54	SPACE SYS-ENGR	448
OCEANOLOGY	4-70	SPACE SYS-GEN	448
OFC SVC ADM-MGMT	4-44	SPACE SYS-TENCAP	4-55
OPNS RESRCH	4-65	SRVYNG TECH	4-60
OPSEC	4-74	SUB/AS	4-67
PACK & CONTNRZN	4-77	SUPP SPEC GEN	4-75
PAE ANAL	444	T&E TECH/EQUIP/FAC	4-48
PARASTLGY	4-51	TACTICS-AIR	4-53
PER SECURITY	4-74	TACTICS-GEN	4-53
PERS MGMT/ADM	4-44	TACTICS-GRND	4-53
PHARMCLGY	4-51	TACTICS-INTEL	4-53
PHOTO GEN	4-68	TACTICS-MISSILE	4-53
PHOTO TECHN	4-68	TACTICS-NAV	4-53
PHOTOGRMTRY	4-70	TARG DATA BASE MAINT	4-75
PHYS SCI TECH	4-70	TARG DEVL	4-76
PHYS SECURITY	4-74	TARG MTRLS	4-76
PHYS VULNR ANAL	4-75	TARG PUBL	4-76
PHYSCS ATMOSPHERC	4-71	TECHNL INFO SPEC	4-68
PHYSCS CRYO	4-71	TECHNL TRANSFER	4-55
PHYSCS ELCTRCY MAG	4-71	TECH SECURITY	4-74
PHYSCS ELCTRON	4-71	TELECOM	73
PHYSCS GEN	4-71	TELEMETRY	448
PHYSCS MECH	4-71	TERRORISM	4-68
PHYSCS MOLEC	4-71	THREAT ANAL	4-48
PHYSCS NUCLR	4-71	TOXICOLOGY	4-51
PHYSCS OPT	4-71	TRAF MGMT	4-78
PHYSICS PLASM	4-71	TRANSLATE	4-68
PHYSCS SOL ST	4-71	TRANSP-AIR	4-77
PHYSCS SOUND	4-71	TRANSP-ANAL	4-77
PHYSCS THEOR	4-71	TRANSP-GEN GEN	4-77
PHYSCS THERMO	4-71	TRANSP-HWY	4-78
PHYSIOLOGY	4-51	TRANSP-MARITIME	4-78
PLNG/I?ROG MGMT/ANAL	444	TRANSP-PORT	4-78
POLY EXAM	4-56	TRANSP-RAIL	4-78
PRNTG MGMT	4-52	TRANSP-SYS	4-78
PRODN CONT	4-52	TRANSP-WATER	4-78
PROG & ACCTNG	443	TREND FRCST	4-48
PROPULSN	4-47	TSCM	4-56
PSY OPNS/WAR	4-67	UNCONVTL WAR	4-49
PSYCHGY	4-75		
PUBLIC REL	4-52		
PURCHG/PROCURMT	4-75		

Occupational Specialties Index-Continued

<i>Abbreviations</i>	<i>Definition Page</i>	<i>Abbreviations</i>	<i>Definition Page</i>
VISINFO	4-63	WEATHER INTEL	4-70
VOUCHER EXAMNG	4-43	WPN SYS ACQ	4-68
WARGAMING	4-68	WRIT & EDIT	4-63
WEAPONEERING	4-76	ZOOLGY	4-52

OCCUPATIONAL SPECIALTIES

Definitions

Abbreviations

ACCOUNTING AND BUDGET SPECIALTIES

Accounting/Auditing

ACCTNG/AUDNG

The performance of professional accounting work relating to the design, development, installation, operation, and inspection of systems; the prescription of requirements; audit of accounts and records; and interpretation of accounting data and reports.

Accounting Technician

ACCTNG TECH

Duties involved in nonprofessional accounting work, such as maintaining ledger accounts and journals; installing prescribed accounts; checking, verifying or inspecting accounting records for accuracy preparing vouchers, schedules, and statements; and examining and posting data to accounting records.

Accounts Maintenance

ACCT MAINT

Records and files commitments and obligations documents when authorized, furnishes and/or verifies fund citation. Effects monthly reconciliation of unliquidated obligations and/or accounts payable, and periodically reviews document files of commitments and obligations for reconciliation with fund ledgers and for withdrawal or completion of inactive items.

Budget Administration

BUDG ADM

Work involved in the formation of budget estimates, including the planning, development, and review of fund requirements to support plans and operating programs; the presentation of budget estimates; and the execution of approved budgets.

Cash Processing

CASH PROCSNG

Administering, supervising, or performing clerical work in the receipt, disbursement, examination, deposit, safekeeping, or other clerical processing of cash items.

Financial Management/Comptroller

FINCL MGMT/COMPT

The management and direction of the financial resources of an agency to include an integrated system of financial staff services; exercising control over financial resources; interpreting the results of operations; carrying out policies, procedures, and plans; and reviewing and analyzing program accomplishments.

Program and Accounting

PROG & ACCTNG

The management and direction of the accounting activities engaged in the maintenance of the established accounting systems including the general and subsidiary ledgers and preparation of financial statements, reports, and a civilian payroll function.

Voucher Examining

VOUCHER EXAMNG

Administering, supervising, or performing work consisting of examination, for accuracy, legality, compliance with regulations, and justification of vouchers, invoices, claims and other request for payment.

ADMINISTRATIVE/MANAGEMENT/PERSONNEL SPECIALTIES**Office Services Administration/Management****OFC SVC ADM/MGMT**

The internal administration, operation, and functioning of an organization with the paramount qualification of subject matter of functional knowledge and skill in executing administrative functions and services planning, organizing, and analytical or equivalent work, not of a clerical nature; this may include a variety of service functions such as space control, office equipment maintenance and supply.

Personnel Management/Administration**PERS MGMT/ADM**

Work involving the “direction of a military or civilian personnel management program or the performance of specialized personnel program functions (manpower development, position classification, staffing, placement, employee-management relations, labor-management relations, salary and wage administration, equal opportunity, career management, employee career development and training).

Planning/Program Management/Analysis**PLNG/PROG MGMT/ANAL**

Professional work involving the management or direction of one or more programs, including appropriate supporting service organizations, or work in the administration, operation and functioning of an organization, with responsibility for development, installation and operation of a management system for technical programs, projects, systems and activities; and/or the analyzing, evaluating, development, and advising on managerial policies, practices, etc., for improvement of operational procedures, including planning for resources (financial/equipment/personnel).

Project Assignment Analysis**PAF ANAL**

Staff work involving extensive coordination at both operating and policy levels, or with other government agencies, for the purposes of making specific and binding determinations as to the commitment and assignment of organizational resources to satisfy specific requirements from a variety of users.

APPLIED TECHNOLOGY SPECIALTIES**Acoustical Intelligence****ACOUSTINT**

Professional and scientific work dealing with technical and intelligence information derived from detection, research and study of sound emanations from foreign sources which generate acoustical waves and from which may provide characteristics, operation, and function of propulsion systems.

Aerodynamic Systems-Aircraft**AERO SYS-AIR**

Professional work involving analysis of aerodynamics, flight dynamics, propulsion, guidance and control, capabilities, limitations and vulnerability of foreign offensive and defensive aircraft systems (including bombers, fighters, helicopters, WIG aircraft, air-delivered ordnance, and support aircraft), their materials production techniques, and related RDT&E programs.

Aerodynamic Systems-Missiles**AERO SYS-MISSLE**

Professional work involving analysis of aerodynamics, flight dynamics, propulsion, guidance and control, seekers, and navigation systems, capabilities, limitations, and vulnerabilities to foreign offensive and defensive aerodynamics missile systems (including air-to-air missiles, air-to-ground missiles and cruise missiles), their materials, production techniques and related RDT&E programs, and assessments of foreign aerodynamic test ranges.

Applied Technology Specialties-Continued

Beam Weapon Technology (Other than Laser)

BEAM WPN

Analysis and evaluation of development of beam weapons (other than laser beam), covers R&D; techniques on which the effort is focused; indications of government policy, planning, and program support, and the resources, facilities, and organizations involved.

Chemical, Biological and Radiological Operations

CBR OPNS

Professional and intelligence work involving the development, production, storage, and employment of chemical agents to cause casualties, damage to plants or material, to produce a screening or signaling smoke, or to restrict the use of terrain.

Chemical, Biological, and Radiological Technology

CBR TECHN

The analysis, and production, of technical intelligence dealing with the description, and performance characteristics of offensive and defensive chemical, biological, and radiological equipment, dissemination systems, detective and protective devices, decontamination systems, and items or processes for therapy and prophylaxis.

Communication Intelligence

COMINT

Technical and intelligence information derived from foreign communications by other than the intended recipients.

Communications Specialist

COMM SPEC

Work involving non-engineering technical communications planning adaptation or modification of communication circuits, networks and system, the analysis of equipment, facilities, traffic volume and handling, and the devising of processes, procedures and regulations.

Electromagnetic Systems

ELCTROMAG SYS

Professional work involving analysis of foreign electronics systems in the areas of command and control communications (including aerospace> control, warning and targeting radars, AA fire control radars, anti-ballistic missile and anti-satellite radars and electronics; air-to-air, surface-to-air, surface-to-surface and air-to-surface guidance radar; photographic and electronic reconnaissance; electro-optics and electro-optic countermeasures; unintentional radiations; radar cross-section and infrared radiation; navigation systems; electronic and associated subsystems and technologies, and characteristics of related foreign weapon systems.

Electronic Intelligence

ELINT

Technical and intelligence work using information derived from foreign noncommunications electromagnetic radiations emanating from other than nuclear detonations or radioactive sources. Includes the intercept and study of target radar emissions as part of the defined or demonstrated weapon system performance parameters and system operations. (Not to be confused with RADINT.)

Electronic Warfare

ELCTRON WAR

Professional work that deals with military uses of electronics, including wire communication and radio systems, equipment, components, materiel, and techniques, to ensure effective use of radiated electromagnetic energy and involving work undertaken to prevent or reduce an enemy's effective use of radiated electromagnetic energy.

Applied Technology Specialties-Continued

Electro-Optics Intelligence

ELECT-OPT INTEL

Professional work dealing with the technology and intelligence derived from the use of equipment involving the interrelation primarily between electronics, physics and optics pertaining to the transformation of energy into electromagnetic radiation or vice versa; also the development and maintenance of systems tracking, electrooptical sensing lasers and electronic instrumentation.

Energy Conversion

ENRGY CONV

Covers characteristics of power conversion, storage, and conditioning devices (batteries, fuel cells, solar cells/concentrators, thermoelectric, thermionics, magnetohydrodynamics, rotary generators, dynamic space power systems, and thermal energy storage).

Food Technology

FOOD TECHNL

Work dealing with the chemistry and foreign technology of preserving, processing and preparing food.

Ground Weapons Systems Analysis

GRND WPN SYS

Professional work involving the application of engineering, mathematical and physical science principles to the technical analysis of the development, test, and employment, either singly or in integrated forces, of ground weapon systems such as armor (i.e., tanks, armored personnel carriers, etc.), towed and self-propelled artillery, tactical air defense systems, infantry weapons, anti-tank systems, ground-to-ground rockets and associated launching systems, combat support equipment and ground logistical support equipment.

Guidance-Fire Control

GUIDNC

The study and evaluation of any piece or group of equipment used to determine position on or off the surface; professional work dealing with flight control or simulation, vehicle handling qualities and stability; the process by which target intelligence information received by a guided missile is used for flight control and to effect direction change for target interception.

Lasers

LASERS

Analysis and evaluation of foreign laser technology capability and R&D and applications covering communications, ranging and range finders, detection and tracking, reconnaissance and imaging, guidance and navigation, radar, radiation weapons such as an anti-satellite kill mechanism and high energy laser application for weaponry, and underwater and medical applications.

Manufacturing Technologies

MFG TECHNL

Professional work involving the application of engineering, mathematical and physical science principles to the technical analysis of the research, development, test, evaluation, capabilities employment and limitations related to manufacturing technologies (i.e., forging, welding, extrusion, metal removing, coating, etc.), materials technologies (i.e., composite metallic, organic and ceramic materials) and manufacturing automation (i.e., robotics, numerical machines, etc.).

Measurement and Signature Intelligence

MASINT

Scientific and technical intelligence information obtained by quantitative and qualitative analysis of data collected by specific technical sensors. The data are collected to identify distinctive features of the source, emitter or sender, and to facilitate its subsequent identification and/or measurement.

Applied Technology Specialties–Continued

Military Weapons Systems Analysis

MIL WPN SYS

Professional work involving the application of engineering, mathematical, and physical science principles to manned and unmanned military weapon systems and ordnance research, development, test, employment problems, fire control, armament, and system development forecasting.

Missile Systems Analysis (Engineering)

MISSLE SYS-ENGR

The professional engineering analysis of missile systems involving the analysis and integration of technical subsystems data to fully define foreign missile systems and determine their physical characteristics, performance capability, reliability, vulnerability, and other related data.

Missile Systems Analysis (General)

MISSLE SYS-GEN

Professional work involving the collection, evaluation, and analysis of intelligence on missile systems to determine system description, capability, threat, deployment, employment modes, support facilities, operations, and related matters.

Munition Technology

MUNITN TECHN

Professional work dealing with analysis, testing, and evaluating of foreign ammunitions, explosives and pyrotechnics, including projectiles, fuzes, demolition explosives, detonators, grenades, land mines, high explosives, primers, power propellants, ammunition shaped charges, flame throwers, other munitions, and munition handling equipment.

Naval Weapons Systems Analysis

NAV WPN SYS

Professional work requiring application of the physical sciences and mathematics in the solution of naval weapons system development and employment problems.

Nuclear Weapons/Energy

NUCLR WPN/ENRGY

The development, production, storage, and employment of nuclear weapons and all forms of energy released in the course of nuclear fission or nuclear transformation, to include estimates of the techniques employed and resultant production rates.

Propulsion

PROPULSN

Professional and scientific work dealing with reaction propulsion in which both the fuel and the oxidizer are carried as part of an engine; or in which a propulsion unit obtains oxygen from the air. Also, work involving design, development, or test of turbine, ramjet, and rocket engines, their auxiliary equipment, performance, systems integration, and energy conversion as related to propulsion.

Radar Intelligence

RADINT

Information derived from the operational use of ones own radar equipment, including the analysis of that information for intelligence purposes. (Not to be confused with ELINT).

Sensors

SENSOR

Professional work which deals with analysis of sensor data and the equipment which collects scientific data, detects and indicates terrain configuration, the presence of military targets, and other natural and manmade objects, and activities, by means of energy (nuclear, electromagnetic, chemical, biological,

Applied Technology Specialties-Continued

thermal, or mechanical) emitted or reflected by such targets or objects. This area of intelligence deals with data derived from instrumentation not usually associated with HUMINT, COMINT, ELINT, or Imagery but with other event-related measurement equipment in the broad category of special sensor disciplines.

Signals Intelligence

SIGINT

A generic term including communication intelligence (COMINT), electronic intelligence (ELINT), and telemetry intelligence (TELINT). SIGINT refers to the combination of these or to either when the others are not specified.

Space Systems Analysis (Engineering)

SPACE SYS-ENGR

The engineering analysis of intelligence on space systems and launch vehicles to determine mission, reliability, capabilities, life support and environment systems, spacecraft reentry analysis, and other related matters.

Space Systems Analysis (General)

SPACE SYS-GEN

Professional work involving the collection, evaluation, and analysis of intelligence on space systems and launch vehicles to determine system description, life support and environment systems, capabilities, threat, deployment, employment modes, support facilities, materials, production techniques, RDT&E programs, and other related matters.

Telemetry

TELEMETRY

Professional work including mathematical support activity dealing with the researching, indexing, analysis, and exploitation of analog and digital telemetry systems and beacon signal data in direct support of system and subsystem and analysis of missiles, spacecraft, and weapons in order to derive their mission performance parameters.

Test and Evaluation Techniques/Equipment/Facilities

T&E TECH/EQUIP/FAC

Professional work using engineering techniques, computers, and other equipment and facilities to measure and record test results in such operations as laboratory tests, engineering tests, adaptability tests, service tests, troop tests, and user tests to serve as a basis for assessing the degree that an item meets, exceeds, or fails to meet the technical or operational properties ascribed to it; also the analysis of foreign testing equipment, techniques, and facilities for aerospace, aircraft, naval, and ground support activities.

Threat Analysis/Assessment

THREAT ANAL

Professional work and evaluation including the use of computer simulation and modeling techniques to determine the current and predicted combination, quality, characteristics, capabilities and vulnerabilities of potential enemy equipment, weapons, technological advances and military options which may be employed to defeat or degrade the effectiveness of the 'weapon, system, or plan under review.

Trends and Forecasts

TREND FRCST

Logical study and analysis applied to foreign scientific and technological data and development which may result in credible and explicit technological conclusions; also the prediction of a foreign technological achievement (or non-achievement/deviation) in a given timeframe with a specified level of support.

Applied Technology Specialties-Continued

Unconventional Warfare

UNCONVTL WAR

Intelligence work involving the plans and operations of unconventional warfare typified by operations conducted within enemy or enemy-controlled territory by predominantly indigenous personnel, usually supported and directed by an external source; includes guerilla warfare and counterinsurgency.

AUTOMATIC DATA PROCESSING SPECIALTIES

Computer Production Control

COMPTR PRODN CONT

Work involving the preparation of work orders and job requests for the purpose of scheduling the production effort of operational computer products and services.

Computer Programming

COMPTR PROGMNG

Work involving the conversion of plans and flow charts of operational sequences into flow charts for machine solution and subsequently into completed detailed machine instructional steps coded in a language acceptable to a computer, the development of test data and routines to verify the accuracy and completeness of computer programs, and the preparation of operator instructions for production runs.

Computer Retrieval

COMPTR RETRVL

Work involving the receipt, validation and programming of retrieval requests, the utilization of specialized programming languages and the preparation of association media required for the retrieval and production of desired computer outputs.

Computer System Administration

COMPTR SYS ADM

Work involving administering overall computer systems activities or the performance of staff planning and administrative work requiring a technical knowledge of computer operations and management.

Computer Systems Analysis

COMPTR SYS ANAL

Work involving the evaluation of data processing requirements, the detailed analysis of methods of accomplishing operating programs, development of functional changes to improve results obtained, and the design of overall processing plans geared to effective utilization of electronic data processing method.

Computer Systems Security

COMPTR SYS SECUR

Work involving the technical interfacing, planning, development, installation and maintenance of automated computer systems security measures to regulate processing of computer products and multilevel of security information by users having varying degrees of security protection and access authority.

Data Base Management

DATA BASE MGMT

Work involving the control and maintenance of complex operational data bases to include the initiation of corrective action for processing, data and programming errors, the examination of data

Automatic Data Processing Specialties–Continued

bases for adequacy and the suggestion of modifications, the' analysis of new data base subsystems and products, and the development of data base evaluation, work flow and data flow procedure.

Data Code and Element Analysis

DATA CODE & ELMNT ANAL

Work involving the analysis of systems for data representation to satisfy objectives, to include the logical classification and grouping of data, the development of standard representations; the preparation of instructions and manuals on standards, and the coordination and staffing of standards.

Document Analysis

DOCMNT ANAL

Work involving the analysis and evaluation of scientific and non-scientific intelligence information and the preparation of symbolic language abstracts for input into automated storage and retrieval systems.

IDHS Plans and Development

IDHS PLAN/DEVLP

Professional data processing work involving the technical interfacing, planning, development and installation of automated Intelligence Data Handling Systems in concert with and under the broad guidance of proposed users.

Information Sciences

INFO SCI

The application of new developments in information theory to the processing of intelligence. These developments include one or more of the following automatic, semi-automatic, and mechanical indexing, content analysis; automatic abstracting, simulation; gaming theory; decision theory; pattern recognition; self-organizing systems; inferential logic; and search strategy.

Management Information Systems

MGMT INFO SYS

Activities related to the development, installation, utilization and maintenance of data processing systems which encompass methodologies for satisfying management information needs of either a substantive or supportive nature or combinations thereof. The activity involves an interface between humans and machines and generally involves the manipulation and computation of data by electronic computers resulting in the orderly and timely preparation of information for managerial planning and control.

MIS Plans and Development

MIS PLAN/DEVLP

Professional data processing work involving the technical interfacing, planning, development and installation of automated Management Information Systems of either a substantive or supportive nature, in concert with and under the broad guidance of proposed users.

BIOLOGICAL SCIENCE SPECIALTIES

Administration, Biological Sciences/Scientific and Technical ADM BIO SCI/S&T

The administration of professional and scientific work in biological science and related science and technology.

Biological Sciences–Continued**Agriculture/Agronomy****AGRICULTR/AGRONMY**

Work relating to the cultivation of the ground, the production of crops and livestock, and soil management.

Biology/Biophysics**BIOLGY/BIOPHYS**

Scientific and professional work involving characteristics and life processes of living organisms and the application of physical principles and methods to biological problems.

Cybernetics**CYBERNTCS**

The comparative study of the automatic control system formed by the nervous system and brain and mechanical-electric communications systems.

Laboratory Technician**LAB TECH**

Performance of technical work in a laboratory which requires practical (but not professional) knowledge and skill in the application of required procedures, methods, and techniques.

Medical Science**MEDICAL SCI**

Professional work dealing with the scientific and technical analysis of foreign technology in the various fields of medical science.

Microbiology/Bacteriology/Epidemiology**MICRO/BACT/EPID**

Scientific and professional work involving the characteristics and life process of microorganisms, bacteria, fungus and virus; their relationship to other living forms; reaction to the environment in which they are found; the epidemic disease.

Parasitology**PARASTLGY**

Scientific and professional work dealing with the study, investigation and control of animal parasites of man, domestic or wild animals, poultry and aquatic organisms.

Pharmacology**PHARMCLGY**

Scientific and professional work involving the source, chemical and physical properties, action, absorption, distribution, metabolism, excretion and use of drugs, toxic substances and related chemicals.

Physiology**PHYSIOLOGY**

Scientific and professional work dealing with the functions, environmental response, and biological process and activities of the basic living organism and its component parts.

Radiology**RADIOLOGY**

Scientific and professional work dealing with radioactive substances, X-rays, and other high-energy radiation%.

Toxicology**TOXICOLOGY**

Scientific and professional work dealing with the science of poisons, venoms and toxins, their

Biological Sciences-Continued

effects and symptoms, antidotes and detection.

zoology

ZOOLGY

Scientific and professional work dealing with animal life, their structure, function, distribution, habits, life history and economic importance.

BUSINESS AND INDUSTRY SPECIALTIES

Attorney/Law

LAW

The performance of professional legal work for which a basic requirement is admission to the bar, or the academic study of the law.

Business/Commerce/Industrial Administration/Operations

BUS ADM

Activities relating to business and trade practices, industrial production methods, processes and/or operation of an industry or industries in producing commodities, and/or the management of merchandise or property.

Printing Management

PRNTG MGMT

The provision of printing services requiring a technical knowledge of printing, capabilities of printing equipment and processes, and printing production methods.

Production Control

PRODN CONT

Activities involving planning, estimating, scheduling or expediting the use of manpower, machines, and materials in specific operations. Includes activities requiring a technical knowledge of printing and reproduction methods and methods of preparing visual aids, maps, and charts.

Public Relations

PUBLIC REL

Act or science of developing reciprocal understanding and goodwill between a person, firm or institution and the public. Includes organized effort to communicate information and work involved to modify attitudes and behavior on behalf of a client or cause.

Reproduction Operations

REPRODCTN OPNS

Supervises or performs a combination of duties involved in the operation of bindery equipment, offset press machines, miscellaneous duplicating equipment, and/or equipment for producing films involved in copying material on paper master plates for offset printing, using either the dry or wet process in offset reproduction work.

CAPABILITY SPECIALTIES

Biographies

BIOGRPHC

Information concerning the personal history, experience, performance, professional competence, personal characteristics, and duty assignments of military personnel.

Capability Specialties-Continued

Camouflage, Concealment & Deception

CC&D

Doctrine, organization and training intelligence concerning the technical means for (of) camouflage, concealment (via acoustics, screens, decoys, undergrounds, etc.) and deception (via misinformation, disguise, forgery, imitation and simulation, manipulation, etc).

Doctrine, Tactics and Training (Air Force)

TACTICS-AIR

The principles, policies, techniques and procedures by which air forces guide their actions; the positioning, arranging and maneuvering of forces in a combat situation to achieve an advantage or ameliorate a disadvantage; and the activities involved in bringing forces to a state of combat readiness and efficiency.

Doctrine, Tactics and Training (General)

TACTICS-GEN

The principles, policies, techniques and procedures by which military forces guide their actions; the positioning, arranging and maneuvering of forces in a combat situation to achieve an advantage or ameliorate a disadvantage; and the activities involved in bringing forces to a state of combat readiness and efficiency.

Doctrine, Tactics and Training (Ground Forces)

TACTICS-GRND

The principles, policies, techniques and procedures by which ground forces guide their actions; the positioning, arranging and maneuvering of forces in a combat situation to achieve an advantage or ameliorate a disadvantage; and the activities involved in bringing forces to a state of combat readiness and efficiency.

Doctrine, Tactics and Training (Intelligence)

TACTICS-INTEL

The principles, policies, techniques and procedures by which intelligence forces guide their actions; the positioning, arranging and maneuvering of intelligence and security forces in peacetime and combat situations and the support rendered to allies or satellite nations in the forms of doctrine, policy or the augmentation of forces to further hostile intelligence efforts.

Doctrine, Tactics and Training (Missiles)

TACTICS-MISSLE

The principles, policies, techniques and procedures by which missile forces guide their actions; the positioning, arranging and maneuvering of missiles in a combat situation to achieve an advantage or ameliorate a disadvantage; and the activities involved in bringing forces to a state of combat readiness and efficiency.

Doctrine, Tactics and Training (Naval Forces)

TACTICS-NAV

The principles, policies, techniques and procedures by which naval forces guide their actions; the positioning, arranging and maneuvering of forces in a combat situation to achieve an advantage or ameliorate a disadvantage; and the activities involved in bringing forces to a state of combat readiness and efficiency.

Military Manpower

MIL MNPWR

Activities relating to personnel strength as expressed in terms of the number of men and women available to or required by military forces, including reserve forces maintained to provide units and individuals for active duty when needed and to meet other designated requirements.

Capability Specialties–Continued**Military Organization****MIL ORGNZN**

The compilation of tables of organization and equipment which prescribes the missions, organization structure, personnel and equipment of military forces and the tactical units of which they are comprised.

Military/Political Security Posture/Policy/Sociological**MIL/POL/SEC/SOC**

Covers subject country's structure of government, national policies, objectives, programs, attitudes, and actions with regard to the extent and utilization of natural and human resources and industrial potential; to security posture which could affect U.S. security interests. Includes a country's proposals, negotiations, agreements, policies and actions regarding: strategic and regional arms control; deployment of forces and weapons to foreign countries, in international waters, or in air space or space, military participation in national affairs; and government/party capabilities to maintain control of the nation's material and manpower resources essential to war; and/or the psychological or sociological aspects of the people.

Order of Battle (Air)**OB-AIR**

The identification, strength, disposition, and location of personnel, units, weapons, equipment, and bases of air forces.

Order of Battle (Electronic)**OB-ELCTRON**

The identification, strength, disposition, and location of personnel, units, weapons, equipment, and bases pertaining to electronic noncommunications facilities and forces manning them.

Order of Battle (General)**OB-GEN**

The identification, strength, disposition, and location of personnel units, weapons, and equipment of military forces.

Order of Battle (Ground)**OB-GRND**

The identification, strength, disposition, and location of personnel, units, weapons, equipment, and bases of ground forces.

Order of Battle (Intelligence)**OB-INTEL**

The identification, strength, disposition, and location of personnel, units, and equipment of intelligence and security forces.

Order of Battle (Missile-Space)**OB-MISSLE**

The identification, strength, disposition, and location of personnel, units, weapons, equipment, and bases involving strategic missiles, surface-to-air missiles and military space forces.

Order of Battle (Naval)**OB-NAV**

The identification, strength, disposition, and location of personnel, units, weapons, equipment, and bases of sea forces.

Capability Specialties-Continued

Space Systems-Tactical Exploitation of National Capabilities (TENCAP)

SPACE SYS-TENCAP

Activities involving the exploitation of national space program capabilities in support of U.S. tactical forces/operations. Requires specific knowledge of U.S. space programs and organizations and tactical force structures/organizations. Work involves development of concepts/requirements, systems analysis/engineering, project management, personnel training, tactical systems operations, and associated staff activities.

Technology Transfer

TECHNL TRANSFER

The study and analysis of worldwide transfer of technology, as it affects foreign military capabilities, by various means including import/export; covert activities; purchase or lease of equipment; manufacturing, sales, and service agreements; leasing arrangements; open source technical publications and patents; bilateral scientific and technical exchanges; visits by scientific and technical personnel; and student exchanges.

COLLECTION SPECIALTIES

Collection Analysis

COLL ANAL

The development of systems, procedures, and criteria for evaluating the quality of information; the effectiveness of collection activities, the need for resources to fill identified gaps; the determination of measures to improve collection; and the preparation and processing of reports of collected intelligence.

Collection Operations-Human Resources

COLL HUM

The collection of information and review, coordination, and supervision of collection programs and activities involving human resources.

Collection Operations-Technical Resources

COLL TECHNL

The collection of information involving signal, radar, and acoustical intelligence, and infrared and optical sensors relating to scientific and technical developments, advances, and breakthroughs relating to research, development, test, evaluation, production, supply and maintenance of military equipment and weapon systems; also the review, coordination, and supervision of collection programs.

Collection Requirements

COLL REQ

The establishment of policies, controls, procedures, and formats to achieve standardization of intelligence collection requirements; the publication of collection manuals and guides; the review, registration and validation of collection requirements and their allocation to collection resources.

Multi-Discipline Collection

MD COLL

Supervision, management, and coordination of concurrent and integrated collection operations using two to three basic collection disciplines: HUMINT, SIGINT AND IMINT.

COUNTERINTELLIGENCE SPECIALTIES

Defensive Counterespionage Investigator

CI-DCE

All activities relating to the supervision, review, analysis, validation, and conduct of DCE inves-

Counterintelligence Specialties-(Continued)

tigations, which are recognized as complex, highly sensitive investigations of espionage directed against US. elements.

Interrogation

INTEROG

The questioning and examination of a friendly or hostile person, typically with formality, command and thoroughness, for the purpose of obtaining full information and circumstantial detail.

Investigator

INVESTGR

Work involving investigations concerned with alleged or suspected offenses against the laws of the United States or with determining compliance with laws and regulations.

Multi-Discipline Threat-Counterintelligence

MD THREAT-CI

Work involving the departmental assessment of threats to U.S. security presented by the activities of hostile intelligence collection systems. Include all-source analysis of the integrated, combined effect of hostile collection disciplines, Signals Intelligence (SIGINT), Human Intelligence (HUMINT), Imagery Intelligence (IMINT) and other special operations controlled by hostile intelligence agencies.

Offensive Counterintelligence Case Officer

CI-OFCO

All activities related to the supervision, review, validation, registration, coordination and conduct of CI-OFCO, involving the neutralization of such efforts.

Polygraph Examiner

POLY EXAM

The application of counterintelligence and intelligence techniques to structured polygraph examination interviews of HUMINT and OFCO sources, persons involved in personnel security and counterintelligence investigations, and persons with access to specifically designated classified information.

Technical Surveillance Countermeasures

TSCM

Work involving the use of specialized electronic equipment to detect and neutralize clandestine surveillance devices employed by hostile intelligence services against sensitive U.S. facilities world-wide and identification of weaknesses that could permit the employment of such devices.

EDUCATION SPECIALTIES

Education and Training'

EDUC & TRNG

Work involving the administration, coordination, and/or management of activities in a program of education or training which requires the application of a knowledge of principles, practices, and techniques pertaining to such programs. Work entails application of the five phases of the systems approach to training in the production of resident and nonresident training and training products.

Instructor

INSTRCT

Presenting classroom instruction/lectures for college level students, (undergraduate, graduate or special), high school students and/or training in an occupation, craft, or subject, where the essential qualifications are a master of the knowledge and skills characteristic of a given occupational or

Education Specialties-Continued

subject, where the essential qualifications are a master of the knowledge and skills characteristic of a given occupational or subject field and a practical knowledge of the methods and techniques of instruction.

ENGINEERING SPECIALTIES**Administration, Engineering****ADM ENGR**

Professional work dealing with the management, administration, supervision, or direction of engineering resources, planning, and work which requires the knowledge of engineering techniques, methods, and procedures for carrying out such functions and duties.

Architecture**ARCHTCT**

Professional work involved in the creation, construction, alteration, rehabilitation or restoration of buildings and facilities.

Architecture, Naval**ARCHTCT NAV**

Professional work involved in research, design, development, construction, testing, arrangement, installation and maintenance and operational characteristics for all types of ships.

Construction/Maintenance**CONST/MAINTNCE**

Work of skilled craftsmen, mechanics, repairmen, equipment operators, and heavy trade or other workers, not limited to a single trade or craft, in connection with the construction, remodeling, repair, alteration or maintenance of structures and facilities.

Engineering, Aerospace (Aeronautical and Astronautical)**ENGR AEROSP**

Professional work involving flight systems and vehicles, including aircraft, missiles, spacecraft, parachutes, balloons and rockets; extraterrestrial exploration and investigation, integrally related systems and equipment including capsules, propellers, propulsion systems, auxiliary power plants, control and guidance systems, instrumentation systems, structures and environmental control and escape systems, and flight testing and investigation of phenomena and problems encountered in aerospace flight.

Engineering, Agricultural**ENGR AGR1**

Professional work involving the application of engineering, agricultural science and agriculture economics to the problems of agriculture.

Engineering, Ceramic**ENGR CERAM**

Professional work involving industrial processes and equipment used in the manufacture of ceramic products.

Engineering, Chemical**E N G R C H E M**

Professional work involving processes, plants, equipment, methods, or products relating to changes in the chemical composition or physical state of materials caused by chemical reactions, the actions of living organisms, or applications of energy.

Engineering Specialties-Continued**Engineering, Civil/Structural****ENGR CIV/STRUCT**

Professional work requiring application of the physical sciences and mathematics underlying engineering and specialized knowledge of mechanics of solids, hydraulics, theory of structure, strength of materials, engineering geology, and surveying.

Engineering, Construction**ENGR CONSTR**

Professional work which requires the application of engineering to the construction, remodeling or major repair of air fields, airway facilities; barges, breakwaters, bridges, buildings, canals, docks, drydocks, fortifications, highways, levees, locks, power lines, power plants, railroads and water and sewer systems.

Engineering, Drafting**ENGR DRFT**

Work involving the preparation of drawings for the purpose of documenting and communicating engineering or architectural ideas and information.

Engineering, Electrical**ENGR ELCTRL**

Professional work involving electrical equipment, apparatus, materials, plants, and systems involved in the generation, transmission, conversion, distribution, control, measurement or utilization of electric energy.

Engineering, Electronic**ENGR ELCTRON**

Professional work involving electronics, including wire communications and radio facilities, systems, equipment, components, materials and techniques.

Engineering, General**ENGR GEN**

Professional work involving the advising on, or performing research or other professional and scientific work of a special or miscellaneous character not specifically classifiable in any other engineering area but involving application of a knowledge of engineering fundamentals; or professional work involving several branches of engineering.

Engineering, Industrial**ENGR IND**

Professional work involving the technology, design, analysis and installation of integrated systems of men, materials and equipment.

Engineering, Marine**ENGR MARN**

Professional work involving propulsion plant, piping, heating, and mechanical systems and equipment required for powering, service and operation of ships.

Engineering, Materials**ENGR MTRL**

Professional work involving materials and their properties, processing, uses, and behavior under environmental influences; interrelationship of composition, structure and properties; and considerations of cost, availability, fabrication, performance and use.

Engineering Specialties-Continued

Engineering, Mechanical

ENGR MECH

Professional work involving research, development, design, test, production, specifications development, estimating, installation, maintenance and construction of systems, machines, equipment, instruments, and devices involving the generation, transmission, measurement or utilization of heat or mechanical power.

Engineering, Mining

ENGR MIN

Professional work involving the discovery and the efficient extraction of solid fuels, metalliferous ores, and nonmetallic minerals.

Engineering, Nuclear

ENGR NUCLR

Professional work involving research, development, design, testing, installation, operation, refueling and maintenance of nuclear reactors, nuclear power plants, and auxiliary systems and equipment.

Engineering, Petroleum/Natural Gas

ENGR PETRL/NAT GAS

Professional work involving the discovery, production, use and conservation of oil and gas deposits.

Engineering, Safety

ENGR SAFETY

Professional work involving efforts to eliminate or control physical conditions, operating practices and other factors which may result in injury to persons or damage to property which may include pertinent aspects of psychological, physiological and other technological factors affecting safety and the principles, standards and techniques of safety, such as applied to fire prevention.

Engineering, Sanitary

ENGR SANIT

Professional work involving the design, construction and operation of sewage, garbage and trash-disposal plants or water supply and purification systems; projects for insect and rodent control; and those designed to improve and maintain public health.

Engineering, Technician

ENGR TECH

Non-professional technical work in engineering involving application of methods and techniques of a limited range of engineering, practical knowledge of engineering systems, processes, structures, machinery, devices or materials; and related instrumental, mathematical or graphic skills.

Engineering, Vulnerability

ENGR VULNR

Professional work which requires the application of engineering, principally civil or structural, to the physical vulnerability analysis of targets, including weapon selection and determination of force requirements for both nuclear and non-nuclear weapons.

Electronic Technician

ELCTRON TECH

Non-professional technical work involving electronic systems, networks and related equipment devices, and telephone and electrical communication equipment, which are used in navigation, detection, computation, measurement, missile guidance, broadcast communication, or for other purposes.

Engineering Specialties-Continued

Surveying Technician

SRVYNG TECH

Non-professional work in surveying or mapping the earth's surface including topographic, hydrographic, geodetic, cadastral, construction-layout and control, and route surveying.

ENVIRONMENTAL/GEOGRAPHY SPECIALTIES

Evasion and Escape

E&E

The study of geographical regions or areas describing factors and procedures that would affect the evasion and escape of personnel from enemy-held or hostile areas to areas under friendly control.

Geography/Environment (Basic Industries)

GEOGY/ENVIRMT-IND

The worldwide study and analysis of the physical environment of selected installations and facilities of certain basic industries.

Geography/Environment (Coasts and Landing Beaches)

GEOGY/ENVIRMT-COAST

The study of coastal areas relative to landing beaches, topography, hydrography and other aspects of the coastal environment; and the assessment of their significance in planning and executing amphibious operations.

Geography/Environment (Cultural)

GEOGY/ENVIRMT-CULT

Professional and scientific research and analysis of the interrelated features created by man in his adjustment to this environment including urban area and all utilities and facilities, roads, railroads, ports, airfields; electric power and telecommunication facilities, population, agriculture; manufacturing and extractive industries; and the assessment of their effects on military operations.

Geography/Environment (General)

GEOGY/ENVIRMT-GEN

Professional, scientific and/or academic work in the investigation of the earth's surface, considering each of the numerous factors of the physical environment in their relation to man; includes the analysis and descriptions of the configuration of the earth's surface, the distribution of land and water, the evaluation of landforms, and the changes that take place in man-land relationships; may also include the study and assessment of the environmental factors on military operations, and/or terrorist activities, or the principal direction of such activities.

Geography/Environment (Military/Medical)

GEOGY/ENVIRMT-MIL/MEDCL

Professional and scientific work in the application of geographic techniques and knowledge to all aspects of the physical and cultural (including health and sanitation environments which can influence or affect the planning and conduct of military operations and the training for such operations in particular areas; this may also include the organizations, facilities, and capabilities of military and civilian medical organizations, and the assessment of their effects on military operations.

Geography/Environment (Physical)

GEOGY/ENVIRMT-PHYS

Professional and scientific research and analysis in the natural features of the environment including the description and analysis of landforms and surface configuration, surface drainage, vegetation, water resources, rock types, soils and state of ground, natural construction materials/resources,

Environment/Geography Specialites—Continued

special physical phenomena, and non-urban culture features; and the assessment of their effects on military operations.

IMAGERY/PHOTOGRAPHIC INTERPRETATION SPECIALTIES

Imagery Intelligence

IMINT

Intelligence information derived from the exploitation of collection by visual photography, infrared sensors, lasers, electro-optics and radar sensors such as synthetic aperture radar wherein images of objects are reproduced optically or electronically on film, electronic display devices or other media.

Imagery Interpretation/Analysis

Work involving the location, recognition, identification, description; mensuration, exploitation and analysis of objects, activities, installations, and terrain represented on imagery objects reproduced electronically or by optical means on film, electronic display devices or other media for intelligence purposes and in response to intelligence requirements. This includes photographic intelligence (PHOTINT).*

Imagery-Interpretation/Analysis (Aerial Survey)	HA-AIR SRVY
Imagery-Interpretation./Analysis (Air Forces)	HA-AIR
Imagery-Interpretation/Analysis (CBR Warfare)	IIA-CBR
Imagery-Interpretation/Analysis (Digital)	11A-DIGITAL “
Processing and extraction of intelligence information from image sensor materials through digital image manipulation (enhancement).	
Imagery-Interpretation/Analysis (Electronics)	IIA-ELCTRON
Imagery-Interpretation/Analysis (General)	IIA-GEN
Imagery-Interpretation/Analysis (Ground Forces)	IIA-GRND
Imagery-Interpretation/Analysis (Guided Missiles)	IIA-MISSLE
Imagery-Interpretation/Analysis (Immediate Mission Reporting and Indexing)	IIA-MSN RPTG
Imagery-Interpretation/Analysis (Industry)	IIA-IND
Imagery-Interpretation/Analysis (Instructor)	IIA-INSTRCT
Imagery-Interpretation/Analysis (Keys)	11A-KEY
Imagery-Interpretation/Analysis (Logistics)	11A-LOG

*Definition of these specialties are precluded due to unclassified level of this manual.

Imagery/Photographic Interpretation Specialties-Continued

Imagery interpretation activities which determine the structure, nature and extent of logistics support (technical and materiel) provided to military operational forces (including ground, air, naval and strategic; nuclear/biological/chemical, missile propellants and fuels, ammunition; warhead and missile handling, fuels storage/handling/medical; and transportation systems and activities (rail/road/inland waterways/ports). All activities are directed towards the determination of the preparation/readiness effectiveness, and efficiency of the entire logistics system to support a single or several military contingencies.

Imagery-Interpretation/Analysis (Mensuration) IIA-MENSRN

Imagery-Interpretation/Analysis (Naval Forces) IIA-NAV

Imagery-Interpretation/Analysis (Nuclear Energy) IIA-NUCLR

Imagery-Interpretation/Analysis (Radar) IIA-RADAR

Intelligence information derived from the output of imaging radar systems. Radar imagery is defined as the visual representation of objects resulting from an active electromagnetic sensing technique using the wave lengths of a few millimeters or longer.

Imagery-Interpretation/Analysis (Research & Development) IIA-R&D

Imagery-Interpretation/Analysis (Transportation) IIA-TRANSP

Intelligence Aid/Clerk (Imagery-Interpretation) INTEL AID/CLK (II)

INFORMATION AND ARTS SPECIALTIES

Drafting DRFTNG

The preparation of charts, diagrams, floor plans, office forms, and other types of graphic presentation of statistical, administrative or related data.

Editorial Assistant EDITL ASST

Activities involved in the preparation of manuscripts for publication, including proofreading and copyholding; in the coordination of clearances; and in the verification of factual data to appear in published reports, news articles, catalogs, technical manuals, and other administrative issuances.

Exhibits EXHBT

Work involving the planning, construction, installation and operation of exhibits or the restoration or preparation of items to be exhibited.

Illustration ILLUSTRN

Layout and executing illustrations by freehand or with the use of drawing instruments utilizing common art media such as pen-and-ink, pencil, tempera, oils, wash, or air brush.

Negative Engraver/Scriber NEG ENGRAVER/SCRIBER

Technical work in the preparation of reproduction copy in negative and positive form for offset

Information and Arts Specialties-Continued

reproduction of maps, charts, diagrams and the like, accomplished by translation of compilations into color separated form.

Visual Information

VIS INFO

Work involving the communicating of information through visual means by the design and display of photographs, illustrations, diagrams, graphs, models, slides and charts used in printed material, motion pictures, speeches, and training conferences.

Writing and Editing

WRIT & EDIT

Activities involving writing, rewriting, or editing of reports, articles, news stories, or releases, which are to appear in publications, reports, periodicals, or the press.

LIBRARIANSHIP

Archivist

ARCHVST

The performance of research and other professional work in the assembly, appraisal for historical significance, cataloging, classifying, or editing and publishing of public records and historic documents and exhibits.

Document Research

DOCMNT RESRCH

Work involving document research in support of specific studies with responsibility for determining the scope of research and sources utilized.

Librarian

LIBRN .

The performance of professional work, which requires full training in library science, in acquiring, selecting, cataloging and classifying library material and performing reference, readers' advisory, and bibliographical service.

Library Assistant

LIB ASST

The performance of work, which does not require full training in library science, in acquiring, recording, maintaining and circulating library material and rendering library service.

MANAGEMENT SPECIALTIES

Budget Analysis

BUDG ANAL

The formulation, preparation, and/or justification of the General Defense Intelligence Program/Planning, Programming, Budgeting System (GDIP/PPBS) at command, agency, and/or department level.

Intelligence Management (Automatic Data Processing Interface)

INTEL MGMT-ADPI

The establishment of policies and procedures with respect to operational data processing systems; the determination of requirements and performance specifications for new applications; the evaluation and modification of existing applications, and the planning, scheduling and integration of

PART 2

Management Specialties-Continued

intelligence inputs into an automated intelligence data base, ensuring the substantive quality and consistency of these inputs.

Intelligence Management (Collection Requirements) INTEL MGMT-COLL REQ

The establishment and implementation and coordination of procedures for the development, expression, handling and consolidation of collection requirements and specifications; evaluation of intelligence collection reports; and preparation of collection guidance.

Intelligence Management (Consumer Requirements) INTEL MGMT-CONS REQ

The establishment and implementation of procedures for the development, expression, handling and consolidation of consumer requirements and specifications; evaluation of intelligence products in response to such requirements; and preparation of production guidance.

Intelligence Management (Coordination and Integration) INTEL MGMT-COORDNTN

The planning, scheduling, direction and integration of inputs into national intelligence surveys, national intelligence estimates, and joint intelligence estimates, ensuring the substantive quality and consistency of such inputs.

Intelligence Management (Dissemination) INTEL MGMT-DISSEM

The development of policy, plans and programs for the dissemination processing of intelligence information and intelligence; development and supervision of a DoD worldwide dissemination program; liaison on dissemination matters with all U&S Commands, Services and certain foreign governments and international organizations.

Intelligence Management (Exploitation of Reconnaissance Products) INTEL MGMT-EXPLOIT

The planning and establishment of objectives, procedures and priorities for the exploitation of information derived from visual observation or from equipment which detects and indicates terrain configuration, objects, resources, and activities by means of energy emitted or reflected by such targets or objects.

Intelligence Management (Plans, Programs, Resources) INTEL MGMT-PLNG

The formulation and establishment of plans and policies for the management of intelligence activities. This may include budget, costing and related resource utilization; the development of requirements and specifications for the systematic application of intelligence processing and production methods, techniques, and procedures; the interface of intelligence production interests and plans with DoD planning, production programming, the monitorship of intelligence production resources and the direction and review of intelligence programs and products; and development and coordination of intelligence doctrine and force structure (organization).

Intelligence Management (Production Control) INTEL MGMT-PRODN CONT

The planning, estimating, scheduling and expediting of intelligence production by the establishment and validation of priorities, the committing of resources, the assignment of tasks, the determination of suspense dates, the maintenance of status of actions, and follow-up.

Management Specialities-Continued**Intelligence Management (Release and Disclosure)****INTEL MGMT-RELSE**

The establishment of policy and procedure for the declassification, release and disclosure of documents, information, and intelligence within the framework of the national disclosure policy.

**Intelligence Management
(Research, Development, Test, and Evaluation)****INTEL MGMT-RDT&E**

The establishment of plans and programs for, and management of, research, development, test and evaluation activities related to the collection, processing, and communication of intelligence. It includes the definition, coordination, evaluation, staffing, budgeting, and technical direction of such programs. May also include the development of operational concepts, doctrine, organizations and materiel, and capabilities for new and existing intelligence and/or weapon systems and activities.

MATHEMATICS SPECIALTIES**Cryptography****CRYPTOGY**

Professional work in the construction and solution of codes and ciphers and in the design of new and improved cryptographic equipment and methods.

Mathematics**MATHCS**

Professional work involving research on basic mathematical principles, methods, procedures, techniques or relationship% and the development of mathematical methods in the solution of scientific, engineering, economic, and military related problems. Also work involving the translation of mathematical formulations to computer languages as an adjunct to the mathematical analysis in the resolution of problems.

Mathematics/Statistics**MATHISTAT**

Professional work in the design, development and application of statistical theories, techniques, and methods to the gathering, analyzing and/or interpretation of quantified information and may include the adaptation of mathematical methods and techniques to statistical processing.

Mathematics Technician**MATHCS TECH**

The performance of work in the reduction and computation of quantitative data where such work requires the use of mathematical techniques but not professional knowledge of theories, assumptions, and principles upon which the techniques are based.

Operations Research**OPNS RESRCH**

Professional and scientific work drawing on mathematical, statistical and other scientific methods and techniques common to mathematics, engineering, and physical, biological and social sciences, in reaching a solution to operational problems.

OTHER INTELLIGENCE RELATED SPECIALTIES**Briefing****BRIEF**

Work involving the concise oral presentation of the main considerations of an argument, situation,

Other Intelligence Related Specialties-Continued

contention or plan with such supporting detail as may be necessary for clarity and understanding.

Command, Control and Communication

Work involving the organization, procedures, and communication facilities and systems (facilities, equipment, personnel) utilized by a nation's high command and subordinate echelons to command and control the missile, ground, naval, air or space operating forces. This may include, but is not limited to, the tactical and strategic forces in all states of readiness; deployment patterns and trends; and physical/technical characteristics of the command control systems, and their capabilities, reliabilities, and vulnerabilities.

- | | |
|------------|--|
| *CC&C | <i>INDICATES equally qualified in both strategic and tactical.</i> |
| CC&C-STRAT | <i>INDICATES strategic only.</i> |
| CC&C-TAC | <i>INDICATES tactical only.</i> |

Congressional Affairs

CONGRESS

Work experience in legislative matters that give knowledge of Congressional affairs from the viewpoint of the Congress. Such experience would provide the ability for interface capability within the agency for the preparation or giving of testimony, performance of Congressional liaison activities, or the satisfying of other Congressional requirements. This may also include experience in the office of a Congressman, Congressional committee, Legislative Reference Service, or as a Congressional Fellow.

Counter Narcotics Analysis

NARCOTICS

Intelligence research and analysis to determine requirements to satisfy DoD narcotics interdiction mission. Includes locations, activity levels and patterns, resistance potential, and vulnerability determination and the preparation of focused/tailored operational support products.

Dissemination of Intelligence Information/Reports

INTEL DISSEM

Following established policy and procedures, maintains program for the dissemination processing of intelligence information and provides liaison on dissemination matters within the agency, component, and/or intelligence community.

Foreign Intelligence Officer Operations

FIO OPNS

Professional work involving the acquisition, receipt, evaluation, and utilization of foreign scientific and technological developments, advances, and breakthroughs having pertinence to the research, development, test, evaluation, production, supply, and maintenance of optimum military equipment and material systems for US forces. Includes management of resources associated with intelligence support to RDT&E efforts. As this term is used in the ICDP, it applies only to those FIO and STILO operations conducted in direct contact with RDT&E activities. Work performed within an intelligence production agency or in other applications of foreign intelligence operations does not qualify for the FIO OPNS code.

Foreign Materiel Exploitation

FME

Professional work involving the acquisition, test and evaluation of foreign materiel for intelligence and R&D purposes and the subsequent report preparation, dissemination and materiel disposition.

**Definition of this specialty is precluded due to unclassified level of this manual.*

Other Intelligence Related Specialties-Continued

Indications and Warning Intelligence

I&W

Work involving time-sensitive information on foreign developments that could involve a threat to US or allied military, political, or commercial interests, including indications of enemy hostile actions or intentions, imminence of hostilities, serious insurgency, nuclear/nonnuclear attack on the United States, its overseas forces or allied nations, hostile reactions to US reconnaissance activities, terrorist attacks, and any other event significantly threatening US security interests in the near future.

Inspector General

I G

Work involving inspection and investigation of organizations, agencies, installations, and facilities to determine quality and manner of performance and operational readiness and the monitoring of corrective actions taken with respect to deficiencies disclosed.

Intelligence Aid/Technician

INTEL AID/TECH

Work involving substantive support to professionals in the collection, production or dissemination of intelligence information.

Intelligence Operations

INTEL OPNS

Staff work involving the determination of the need for and the writing of collection or operational manuals and guides; the editing of requests for intelligence data; and distribution of raw intelligence data and finished intelligence reports; and related activities.

Liaison

LIAISON

Work involved in the inter-communication among various and distinct activities within the domestic or foreign intelligence community for the purpose of coordinating intelligence activities, exchanging intelligence information, and/or collecting intelligence and counterintelligence, information.

*Military/Materiel Identification Analysis

MIL/MTRL IDENT ANAL

Psychological Operations/Warfare

PSY OPNS/WAR

Work dealing with operations which includes psychological warfare and encompasses those political, military, and ideological actions planned and conducted to create, in neutral or friendly foreign groups, the emotions, attitudes, or behavior to support the achievement of national objectives.

Sonar

SONAR

Work involving the concepts, techniques and capabilities of electroacoustical (e.g., sonar, sonabouys, underwater detectors, hydrophores) equipment and counter-equipment.

Submarine/Anti-Submarine Warfare

SUB/ASW

Work involving the study (including coordinated operations involving surface, subsurface anti/or air elements) of either: (1) offensive and defense tactics, doctrine and strategic employment of submarine, antishipping, antisubmarine, reconnaissance and intrusion, and missile operations, to include unique problems of marine training, maintenance, overhaul and repair; or (2) operations against a particular submarine(s), offensive and defensive antisubmarine warfare, the provision of protection to a convoy or force threatened by submarine attack, or denying the enemy the effective use of its submarines.

***Definition** of this specialty is **precluded** due to unclassified level of this manual.

Other Intelligence Related Specialties-Continued

Technical Information Specialist

TECHNL INFO SPEC

Work involving the analysis, indexing, cataloging, processing, storage, retrieval, and transmittal/dissemination of scientific, technological and other specialized intelligence information for use by intelligence production units (this does not include positions in the librarian or in scientific or technical occupational series requiring full state-of-the-art knowledge).

Terrorist Activities

TERRORISM

Intelligence research and analysis involving actual or potential international terrorist actions that could affect US or allied military, economic, or political interests. Includes activities, tactics, capabilities impact on host or other governments' policies toward the United States, and the preparation of reports and counterterrorism studies.

Translation

TRANSLATN

The translation of written items from one language into another language.

Wargaming

WARGAMING

The simulation, by whatever means, of a military operation, involving two or more opposing forces, using rules, data, and procedures designed to depict an actual or assumed real life situation.

Weapon Systems Acquisition Process

WPN SYS ACQ

The study of the processes by which weapon systems are developed and acquired, including political, governmental, military organizations and their structures; decision-making processes; R&D management technique organizational interaction patterns; design and production practices; and S&T manpower.

PHOTOGRAPHIC SERVICES SPECIALTIES

Film/Photographic Files

FILM/PHOTO

Work involving the accountability and control of film or photographic prints; this may include search/retrieval, cataloging/indexing, analyzing, classification, storage, shipping or establishing criteria for retirement.

Photographic Technology

PHOTO TECHNL

Professional work involving research, development, testing, and evaluation of photographic equipment, techniques and procedures.

Photography, General

PHOTO GEN

Activities involved in the administration/management of a photo lab and/or the processing, reproduction, quality control, or logistics of supply and equipment in the laboratory.

PHYSICAL SCIENCE SPECIALTIES

Administration, Physical Science/Scientific and Technical ADM PHYS SCI/S&T

The administration of professional and scientific work in physical science and related science and technology, concerned with matter, energy, physical space, time nature of physical measurement, fundamental structural particles, and the nature of the physical environment. In a technical advisor role, serves as consultant briefer and technical writer for S&T management and planning.

Astronomy/Space Science

ASTRONMY/SPACE SCI

Professional and scientific work in astronomy, astrophysics, radio astronomy, celestial mechanics or extraterrestrial exploration and investigation.

Ballistics

BALLISTCS

Professional and scientific work dealing with the motion, behavior, appearance, or modification of missiles and other vehicles acted upon by propellants, wind, gravity, temperature, or any other modifying substance, condition or force.

Cartography

CARTOGRY

Professional work in mapping the earth's surface by photographic or other means or in graphic representation of geographic or navigational information, involving techniques of map or chart design and construction, the evaluation of the reliability and accuracy of source materials; and reconciliation of conflicting evidence concerning the position, configuration or character of physical and cultural features of the earth's surface.

Cartographic Technician

CARTOGR TECH

Technical work, not requiring full professional knowledge, in the collection and processing of source materials to be used in the construction of maps and charts; the compilation, drafting of maps, charts, etc.

Chemistry/Biochemistry

CHEMSTRY/BIOCHEMSTRY

Professional and scientific work in the investigation and analysis of the composition, molecular structure, and properties of substances; and transformations which they undergo such as in electrochemistry; and the chemical compounds and processes occurring in plants and animals.

Geodesy

GEODSY

Professional and scientific work which deals with the determination of the size and shape of the earth, measurement of the intensity and direction of the force of gravity and the determination of the position and elevations of points on or near the surface of the earth.

Geodetic Technical

GEODTC TECH

Technical work, which does not require full professional knowledge, in the analysis, processing, computation and selection of geodetic data.

Geology

GEOLGY

Professional and scientific work in collection, measurement and analysis of geologic information concerning the structure, composition, and history of the earth.

Physical Science Specialties-Con tinued**Geophysics/Seismology****GEOPHYSCS/SEISMLGY**

Professional and scientific work in the investigation and measurement of natural and artificial magnetic, gravitational, electric, seismic, and other geophysical forces, and their analyses in terms of the physical properties, structures, and composition of the earth.

Hydrology/Hydrography**HYDROLGY/HYDROGY**

Professional and scientific work in the investigation and analysis of the occurrence, circulation, distribution and quality of water in the earth's surface, and in soil and rock strata; and the charting of water bodies.

Metallurgy**METALLGY**

Scientific and technical work in the investigation and application of principles, techniques, and procedures in the extraction of metals from their ores, refining them, and preparing them for use.

Meteorological Technician**METEORLGL TECH**

The performance of technical work in support of the professional meteorologist, climatologist, such as collecting, classifying, verifying, computing, processing, charting, analyzing, and evaluating meteorological observational data, techniques, practices and/or equipment.

Meteorology and Climatology**WEATHER INTEL**

Professional and scientific activities involving the investigation, collection, analysis and/or utilization of meteorological and climatological data in order to determine its impact and application to weapons systems development and performance, military tactics and operations, capabilities in forecasting and in weather and climate modifications related to military operations, or to the production of weather intelligence.

Oceanography**OCEANOLOGY**

Professional and scientific work in the collection, measurement and analysis of natural and physical ocean phenomena, such as currents, circulations, waves, beach and near-shore processes; chemical structure and processes; physical and submarine features; depth; floor configuration, organic and inorganic sediments; sound and light transmission; color manifestation; heat exchange; and similar phenomena.

Photogrammetry**PHOTOGRMTRY**

Professional work using scientific or mathematical principles to obtain reliable measurements from photographic images.

Physical Science Technician**PHYS SCI TECH**

Technical work, which does not require full professional knowledge, in the fields of astronomy, chemistry, geology, geophysics, metallurgy, oceanography, physics and other physical sciences.

Physical Science Specialties-Continued

Physics

Professional and scientific work in the investigation and applications of the relations between time, space matter and energy in the area of mechanics, sound, optics, heat, electricity, magnetism, radiation or atomic and nuclear phenomena.

Physics, Atmospheric	PHYSCS ATMOSPHRC
Physics, Atomic and Nuclear	PHYSCS NUCLR
Physics, Cryogenics	PHYSCS CRYO
Physics, Electricity and Magnetism	PHYSCS ELCTRCY MAG
Physics, Electronics	PHYSCS ELCTRON
Physics, General	PHYSCS GEN
Physics, Mechanical	PHYSCS MECH
Physics, Molecular	PHYSCS MOLEC
Physics, Optical	PHYSCS OPT
Physics, Plasma	PHYSCS PLASM
Physics, Solid State	PHYSCS SOL ST
Physics, Sound	PHYSCS SOUND
Physics, Theoretical	PHYSCS THEOR
Physics, Thermodynamics	PHYSCS THERMO

RESOURCES SPECIALTIES

Energy Intelligence	ENRGY INTEL
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The study and analysis of worldwide energy trends to include reserves, production and distribution of fuels and electric power as well as the location of such energy facilities as POL depots' and refineries, pipelines, and electric power installations.

Government Control and Civil Defense	GOVT CONT & CIV DEF
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Government control over population and economic resources; manpower resources; civil defense programs.

Industrial Production/Economics	IND PRODN/ECONMCS
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The study and analysis of worldwide industrial performance to include the capabilities and limitations of economic systems and the costing of weapons and equipment.

Resources *Specialties-Continued***Military Economics****MIL ECONMCS**

Military budgets; costs of weapons systems and military establishments; economic impact and feasibility of military expenditures; and economic and military assistance programs.

Military Production**MIL PRODN**

The study and analysis of worldwide military industrial production trends including army, naval, air force, and space equipment.

Materiel Production (Aerospace)**MTRL PRODN-AERO**

The manufacture of civilian and military aircraft, space vehicles, and associated test equipment and facilities.

Materiel Production (Electric Power)**MTRL PRODN-EL PWR**

The electric power industry, including power plants and the production, transmission and consumption of electric power.

Materiel Production (Electronics)**MTRL PRODN-ELCTRON**

The manufacture and supply of electro-magnetic noncommunications equipment and facilities.

Materiel Production (General)**MTRL PRODN-GEN**

The study of the conversion of raw materials into products and/or components thereof, through a series of manufacturing processes, which includes functions of production engineering, controlling, quality assurance, and the determination of resources requirements which would provide information about a product or degree of technological development.

Materiel Production (Ground Forces)**MTRL PRODN-GRND**

The manufacture and supply of ground forces materiel including weapons, ammunition, explosives, armored and transport vehicles; BW/CW materiel; telecommunication, electronic, infrared, optical and military engineer materiel, medical supplies, military clothing, individual and organizational equipment.

Materiel Production (Missiles)**MTRL PRODN-MISSLE**

The manufacture of missiles and associated test equipment and facilities, which may include functions of production engineering, controlling, quality assurance, and the determination of resource requirements which would provide information about a missile or missile system and/or the degree of technological development.

Materiel Production (Petroleum)**MTRL PRODN-POL**

Petroleum and natural gas supply and production; pipelines, processing, and storage facilities; and availability of petroleum industry equipment and supplies.

Materiel Production (Shipbuilding and Repairs)**M T R L PRODN-SHIP**

Construction and repair of merchant and naval ships including construction and repair facilities and manufacture of naval armaments.

Resources Specialties-Continued

Research and Development Analysis

R&D ANAL

Research and analysis of foreign R&D resources including facilities, personalities, and programs.

Resources Intelligence

RESOURCE

The study and *analysis of* worldwide resources, their location, abundance, industrial application, availability and strategic significance to the United States and its allies.

Telecommunications

TELECOM

The analysis of telecommunications systems, subsystems, and facilities involved in the transmission and reception of messages by electrical or electro-magnetic means.

SECURITY/(COUNTERMEASURES)

Automation Security

AUTO SECURITY

Procedures and techniques to protect automated systems that process classified and unclassified sensitive information and the information on the systems, including determination of sensitivity, conduct of risk assessments (identify threats, vulnerabilities, and countermeasures). Preparation and review of accreditation packages, and implementation of personnel reliability program.

Communications Security

COMSEC

The protection resulting from all measures designed to deny to unauthorized persons information of value which might be derived from the possession and study of telecommunications or to mislead in interpretations of such study.

Electronic Security

ELSEC

The protection resulting from all measures designed to deny unauthorized persons information of value which might be derived from their interception and study of noncommunications electromagnetic radiations.

Foreign Disclosure Security

FOR DIS SECURITY

Procedures that implement the national disclosure policy. Processing request by foreign nationals to visit defense activities and defense contractors and request for defense information and determination of eligibility of foreign nationals to receive U.S. classified information.

Industrial Security

IND SECURITY

Application of across-the-board security procedures within the industrial complex; inspection of commercial activities on government installations; review of classification guidance under which contractors are required to operate. Planning, development or implementation of security classification review programs or procedures.

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Information Security

INFO SECURITY

Procedures governing classification and declassification of information; marking, reproduction, dissemination, safeguarding, accountability, and destruction of classified information, investigation of security violations; after hours requirements. Planning, development or implementation of sensitive compartmented information programs, security awareness programs and/or special access programs.

Operations Security

OPSEC

The process of denying adversaries information about friendly capabilities and intentions by identifying, controlling, and protecting indicators associated with planning and conducting military operations and other activities.

Physical Security

PHYS SECURITY

Work involving the physical protection of classified information, to include collateral and SCI, the design, development and installation of protective systems and devices to ensure that the material is not compromised or sabotaged, and the inspection of such systems and facilities for sufficiency and compliance.

Personnel Security

PER SECURITY

Application of standards and criteria to determine whether an individual is eligible for initial and continuing access to classified information, qualified for assignment to sensitive duties, and suitable for acceptance and retention consistent with National Security Awareness programs, Sensitive Compartmented Information Policy/Programs, and/or Special Access programs.

Release/Disclosure/Freedom of Information

RELSE/FOIA

Following established policy and procedures makes the determination for and/or processes the declassification release and disclosure of documents, information and intelligence within the framework of the national disclosure policy. This may include the release of information in accordance with the legislation for the Privacy and Freedom of information Acts.

Technology Security

TECH SECURITY

Policy and procedures to identify and protect technologies critical to weapon systems from deliberate and inadvertent diversion, review of international co-development/co-production programs and foreign military sales cases for possible technology transfer implications.

SOCIAL SCIENCE SPECIALTIES

Cost Analysis

COST ANAL

The estimation of the initial and recurring costs of weapon systems by the study of cost experiences with similar systems and the application of economic and statistical analysis.

Demography

DEMOGRPHY

The statistical study of the characteristics of human population with reference to size and density, growth, distribution, migration, and vital statistics and their effect on social and economic conditions.

Social Science Specialties-Continued**Economics****ECONMCS**

The application of a professional knowledge of economics to work involving research and analysis of economic data and the preparation of interpretive reports; advice and consultation on economic matters; and the direction of various economic programs.

History**HISTORY**

Research or other work in the field of history requiring a professional knowledge of established methods and techniques in the collection, evaluation, analysis or presentation of historical data.

International Cooperation**INTNATL COOP**

Research or other work in the planning, development and implementation of foreign economic and military assistance programs.

Psychology**PSYCHGY**

Professional or scientific work which relates to behavior, capacities, traits, interests and activities of both human and animal organisms.

SUPPLY SPECIALTIES**Purchasing/Procurement****PURCHG/PROCURMT**

Activities involved in obtaining supplies, services, equipment, and other material by means of informal open-market purchasing, advertised bid procedures, and requisitioning.

Supply Specialist, General**SUPP SPEC GEN**

Technical supply work involving acquisition, cataloging, storage, distribution and utilization of supplies, equipment, material, property, and service.

TARGETING SPECIALTIES**Damage Assessment****DAMGE ASMT**

The determination of the physical and functional changes to a target as the result of an air, missile, artillery or ground force attack.

Physical Vulnerability Analysis**PHYS VULNR ANAL**

Professional and scientific work requiring the application of the physical sciences, inclusive of engineering to the physical vulnerability analysis of targets and the susceptibility of a potential target to damage or impairment by the damage agent(s) of a weapon.

Target Data Base Maintenance**TARG DATA BASE MAINT**

Defines requirements for and manages implementation of target intelligence to war planning and warfighting. Maintains targeting data bases based on all-source, near real-time intelligence in support of wargaming, weapons development and requirements, and military planning and operations covering the full spectrum of conflict.

Target Development**TARG DEVL**

The systematic evaluation of potential target systems and their components to determine which elements military actions should be taken against to achieve given objectives.

Target Materials**TARG MTRLS**

Establishes operational requirements for production and stockpiling of target materials including maps, charts, photo mosaics, radar prediction, precise positioning data, automated tactical target graphics, geodetic information, target dossiers, and combat mission folders.

Target Publications**TARG PUBL**

The preparation and maintenance of finished target publications and products, such as lists, guides, encyclopedias, inventories, manuals and associated documents.

Weaponneering**WEAPONNEERING**

The process of determining the quantity and types of weapons required to achieve a specific level of damage to a given target, considering target characteristics, weapon and fuzing characteristics, weapon system effectiveness, munition delivery errors, probability of kill and weapon reliability.

TRANSPORTATION/LOGISTICS SPECIALTIES**Air Mobility Equipment****AIR MOBIL EQUIP**

Work involving analyzing the capabilities of fixed and rotary wing aircraft, air cushion vehicles, parachutes, special packs, platforms, rigging equipment and miscellaneous air drop items. Also addresses the cargo capacities or capabilities and packing/packaging configuration and materials requirements for fixed and rotary wing, air cushion vehicle transport for normal (landing) or air drop delivery of material..

Merchant Marine Intelligence**MERCHANT MARINE**

Professional activities that provide intelligence on the movements, actions, port calls and trade activity of the communist and communist-controlled merchant fleets, their chartering activity of Free-world merchant ships and maintenance of position information.

Logistics (Air)**LOG-AIR**

Professional research and analysis of materiel, equipment, and facilities (e.g., transport, cargo, reconnaissance, trainer, and tanker aircraft; material handling equipment, fuel and armament storage; airfield and seaplane station facilities and operations) and activities that provide for the buildup and support of Air Forces and Aerodynamics systems by providing for supplies, equipment, transportation, maintenance; construction and operation of facilities; movement of personnel and other like services.

Logistics (General)**LOG-GEN**

The activities that provide for the buildup and support of a military force by providing for supplies; equipment, transportation, maintenance; construction and operation of facilities; movement, evacuation, and hospitalization of personnel; and other like services; so as to render the military force efficient and effective in combat and noncombat operations.

Logistics (Ground)**LOG-GRND**

Professional research and analysis of materiel and techniques (e.g., amphibious, general purpose and special purpose vehicles; bridging and stream crossing; construction, maintenance, and repair; barriers and fortifications; logistics vehicles; portable power generation units; etc.) and activities that provide for the buildup and support of Ground Forces/Systems by providing for supplies, equipment, transportation, maintenance; construction and operation of facilities; movement of personnel and other like services.

Logistics (Missile)**LOG-MISSLE**

Professional research and analysis of materiel, equipment, and facilities (e.g., construction, maintenance, and repair; test and transport equipment; training units; missile silos or installations) and activities that provide for the buildup and support of Missile Forces/Systems by providing for supplies, equipment, transportation, maintenance, construction and operation of facilities; movement of personnel and other like services.

Logistics (Naval)**LOG-NAV**

Professional research and analysis of materiel, facilities, and techniques (e.g., cargo and transport vessels, landing and reconnaissance craft, tankers, shipboard handling equipment, drydock, fuel and armament storage, naval base repair and servicing, loading and unloading, submarine pen facilities and operations, etc.) and activities that provide for the buildup and support of Naval Forces/Systems by providing for supplies, equipment, transportation, maintenance; construction and operation of facilities; movement of personnel and other like services.

Logistics (Space)**LOG-SPACE**

Professional research and analysis of materiel, techniques, and facilities (e.g., weather, navigation, reconnaissance and communications space vehicles, (excluding communications operational aspects), launch vehicles, ground control and general support facilities, and systems and activities that provide for the buildup and support of Space Forces/Systems by providing for supplies, equipment, transportation, maintenance; construction and operation of facilities; movement of personnel and other like services.

Packaging and Containerization**PACK & CONTNRZN**

Professional work dealing with the protection and shipping of material; techniques of grouping packages into single shipping units; packaging and container design and fabrication.

Transportation Analysis**TRANSP-ANAL.**

The determination and interpretation of capacity, capability, vulnerability, recuperability, and trafficability of transportation systems.

Transportation (Civil Air)**TRANSP-AIR**

The research and analysis of nonmilitary aircraft; airways and systems; construction and maintenance; capability to support military operations; relative importance and vulnerability; and component facilities and installations.

Transportation (General)**TRANSP-GEN**

The research and analysis of all modes of transportation systems, as individually described above and below, or the principal direction of such activities.

Transportation (Highways)

TRANSP-HWY

The research and analysis of highway systems; construction and maintenance; capability to support military operations; relative importance and vulnerability; and component facilities and installations.

Transportation (Inland Waterways)

TRANSP-WATER

The research and analysis of inland waterways systems; construction and maintenance; capability to support military operations; relative importance and vulnerability; and component facilities and installations.

Transportation (Maritime)

TRANSP-MARITIME

The research and analysis of the capacity and capability in the use of maritime forces, and actions performed by those forces on, under, or over the sea to use, gain or exploit control of the sea or deny its use to others, Includes the study of non-military and military maritime activity to determine extent of importance in support of military amphibious operations or potential use of maritime assets during periods of crisis or emergency.

Transportation (Ports)

TRANSP-PORT

The research and analysis of ports; construction and maintenance; capability to support military operations; relative importance and vulnerability; and component facilities and installations.

Transportation (Railways)

TRANSP-RAIL

The research and analysis of railway systems; construction and maintenance; capability to support military operations; relative importance and vulnerability; and component facilities and installations.

Transportation Systems

TRANSP-SYS

The overall description and analysis of area transportation systems, routes, facilities, structures, and operating resources.

TRANSPORTATION SPECIALTIES

Traffic Management

TRAF MGMT

Activities involving the planning, developing, installation, operating and controlling of traffic management programs.